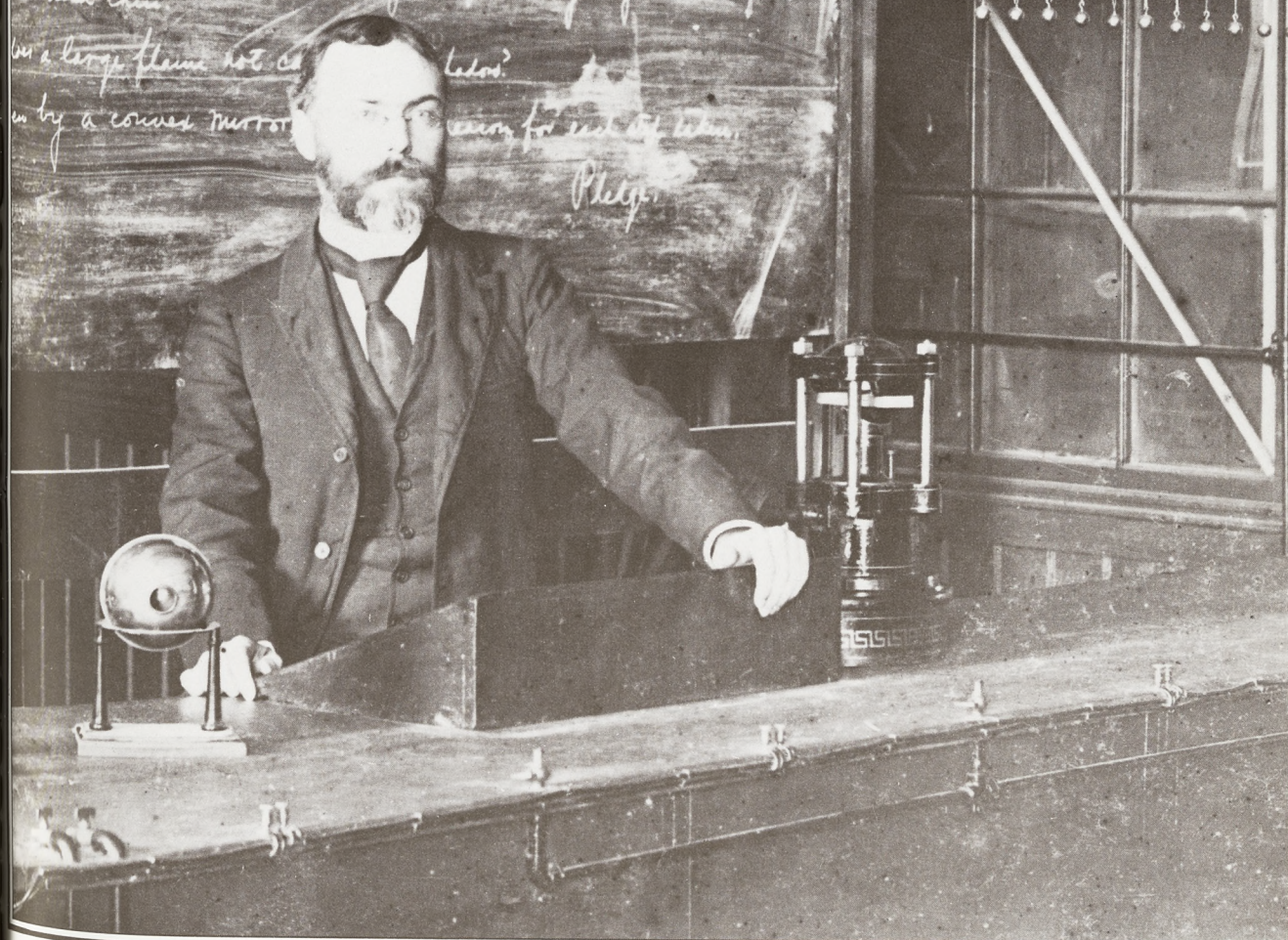


HAMPDEN-SYDNEY COLLEGE *in* VIRGINIA

Academic Catalogue
1979-80

withal current and give the rule for the direction of the current.
4 volt, are arranged 4 in parallel and 3 in series, find the current of
thermoelectric cells.
divided current, show how it may be derived from the principle of the
ground waves, what is the condition of the mass of air while the sound
and string connected and the length of the string? Why are some of the
hot and thin?
has a large flame hot at the bottom?
by a convex mirror. Reason for each of these.
Philip.







HAMPDEN-SYDNEY



*For more than two centuries,
Hampden-Sydney College has held
true to the ideals of her founders,
educating leader after leader
for country and Commonwealth,
all good men and good citizens
formed in an atmosphere of
sound learning.*

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HAMPDEN-SYDNEY COLLEGE

HAMPDEN-SYDNEY College, a liberal arts college for men now enrolling 740 students, has been in continuous operation since January 1776. The College is the tenth oldest institution of higher learning in the United States and the oldest of the country's few remaining all-male colleges. Hampden-Sydney is affiliated with the Presbyterian Church in the United States.

Hampden-Sydney is fully accredited by the Southern Association of Colleges and Schools and is a member of the Association of Virginia Colleges, the Association of American Colleges, the Southern University Conference, the College Entrance Examination Board, the American Chemical Society, and the College Scholarship Service.

Part of the 566-acre campus, picturesquely set in Virginia's historic southside, 70 miles southwest of Richmond, has been designated an historic preservation zone. Farmville, a town of 6,000, is seven miles north.

The College is reached from airports in Lynchburg and Richmond and from the bus and train station in Farmville.

Of the College's 19 brick buildings, most of which have been built in the Georgian architectural style, the oldest is Cushing Hall dormitory, built in 1821. Among the newest are the Science Center (1968), a modern infirmary-apartment complex, with twelve apartments for married students, faculty, and others (1972), and a set of four cottage-like units for student housing (1976). Also a new addition to Eggleston Library, which provides extensive new space for study areas, new acquisitions, and modern new equipment, was completed in January 1975, and a student activities center was completed in January 1979. The recently completed athletic center includes three basketball courts; handball, racquet ball, and squash courts; and a 25 meter six-lane swimming pool.

Hampden-Sydney is a lively community with a faculty highly motivated and dedicated to teaching. Relatively young, their average age is approximately 41. More than 90 per cent of them hold the Ph.D. There are currently 61 members of the teaching faculty and approximately 740 students for a student-faculty ratio of roughly 12:1. Almost 50 per cent of the graduating seniors enter graduate or professional school.

The endowment portfolio has a market value of approximately \$12 million, including a \$2.5 million bequest to the College earmarked for faculty salaries and student scholarships. The operating budget for 1979-80 is \$5.25 million.

The aims of the College are to give selected men of ability a broad understanding of the world and man's place in it from the standpoint of the sciences and the humanities; to develop clear thinking through linguistic, scientific, and historical studies; to impart a comprehension of man's social institutions as a basis for the exercise of intelligent citizenship in a democracy; to unite sound scholarship with the principles and practice of

the Christian religion; to equip those students with special interests and capacities for graduate study and research; and to instill in its students a commitment to excellence.

Dedicated to the education of humane and lettered men for over two centuries, Hampden-Sydney continues to guard man's right to uphold the ideals of personal and intellectual integrity.

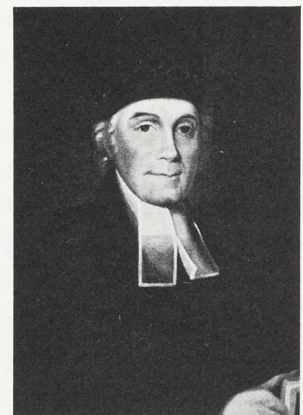
AN HISTORICAL SKETCH

THE early American college, typically a frontier institution, was often a Christian college in character. Hampden-Sydney was no exception and her heritage is deeply rooted in the history of both Colonial America and the Presbyterian Church. However, Hampden-Sydney was not intended to be a sectarian institution; nor has it ever been under the control of a religious body, except for the period 1919-1975, during which the election of the Board of Trustees was nominally in the hands of the Synod of the Virginias of the Presbyterian Church, U.S.

The name Hampden-Sydney was chosen to symbolize the devotion of the founders of the College to the principles of representative government and full civil and religious freedom which John Hampden (1594-1643) and Algernon Sydney (1622-1678) had outspokenly supported and for which they had given their lives in England's two great constitutional crises of the previous century. They were widely invoked as hero-martyrs by American colonial patriots, and their names immediately associated the College with the cause of independence championed by James Madison, Patrick Henry, and other, less well-known but equally vigorous, patriots who composed the College's first Board of Trustees. Indeed, the original students eagerly committed themselves to the revolutionary effort, organized a militia-company, drilled regularly, and went off to the defenses of Williamsburg and of Petersburg, in 1777 and 1778 respectively. The uniform of purple hunting-shirt and gray trousers which they adopted gives the College its traditional colors, garnet and gray.

The College, whose origins go back to 1771, was formally organized in February 1775, when the Presbytery of Hanover, meeting at Slate Hill Plantation, about two miles from the site of the present campus, accepted the gift of the site for the campus, elected Trustees (most of whom were Episcopalian), and named as Rector (later styled President) the Rev. Mr. Samuel Stanhope Smith. The small frame building in which the Presbytery's meeting was held has since been placed on the campus. Mr. Smith, valedictorian of the Princeton class of 1769, had been actively promoting the idea of establishing a college in the heavily Scotch-Irish area of south-central Virginia since he began his ministry there in 1772. Within only ten months, Mr. Smith secured an adequate subscription of funds and an enrollment of 110 students. Intending to model the new college after his own *alma mater*, he journeyed to Princeton to secure the founding faculty, which included his younger brother, John Blair Smith, who succeeded him as President when he was called back to Princeton as Professor of Philosophy (later becoming President) in 1779. On that 1775 trip he also visited Philadelphia to enlist support and to purchase a library and scientific apparatus. Students and faculty began gathering in the fall of 1775, but the official opening of the College was delayed until January 1, 1776. The College has never suspended

Smith



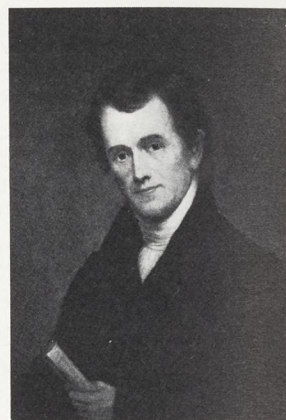
operations. Its viability, severely tested by the war, was both rewarded and ensured by the grant of a Charter from the General Assembly of Virginia in 1783.

In its first fifty years the College prospered and gained the respect of the public and of the educational world. As early as the 1790's its influence was being felt elsewhere, as alumni and former presidents and faculty members began founding or organizing other institutions, including Union College, New York (1795), Princeton Seminary (1806), and the University of Virginia (1819). The Medical College of Virginia was established (1838) at Richmond as the medical department of Hampden-Sydney; Union Theological Seminary of Virginia (1822) was founded at Hampden-Sydney and occupied the south end of the present campus for some seventy-five years before its relocation in Richmond.

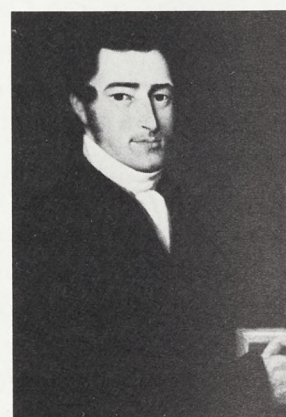
The College matured physically and academically through the first half of the nineteenth century and enjoyed the services of some remarkably gifted leaders. President (1821-1835) Jonathan P. Cushing, a Dartmouth man and the first layman and first non-Presbyterian to be president, oversaw the abandonment of the College's original buildings and introduced the handsome Federalist architecture which is still distinctive of the campus; his greatest physical monument, Cushing Hall, which once housed the entire College operation, is currently in use as a dormitory. The world-renowned chemist, Dr. John W. Draper, who built the first camera to photograph a living person, was professor at Hampden-Sydney from 1836 to 1839.

Religious controversy, the nation's and Virginia's economic troubles, and the Civil War and its aftermath were for two generations the testing-fires of Hampden-Sydney as a stronghold of academic quality. Fortunately for the College, the longest-tenured of its presidents, the able and dedicated J. M. P. Atkinson, served from before the War through Reconstruction (1857-1883); he performed the remarkable feat of keeping the College solvent, while insistently upholding both disciplinary and academic standards. Once again, at the outset of war the student body organized a company, with the president as captain. These men, officially named the "Hampden-Sydney Boys," saw action in the disaster of Rich Mountain (June 10, 1861), were captured, and were paroled by General George B. McClellan on the condition that they return to their studies.

During the presidencies of Dr. Atkinson and his eminent successor (President 1883-1904), Dr. Richard McIlwaine, many features of current student life were introduced—social fraternities, sports, the formalized Honor System, for example: other student activities flourished at their highest level, such as the literary, or debating, societies and musical clubs. In addition, in 1898 the Seminary moved to Richmond and a most generous alumnus, Major R. M. Venable, bought its buildings and gave them to the College, doubling the physical plant. Academic offerings were expanded, strengthening the coherent tradition of liberal arts education which had become the hallmark of the College.



Alexander



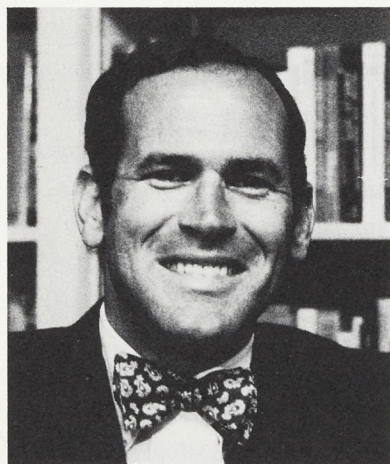
Cushing

The twentieth century has seen considerable building and other developments that have provided the facilities and personnel to continue a distinguished program. Sometimes facilities have had to be improved—or even replaced—at unsettlingly short intervals. In 1922 Bagby Science Hall was built, described at the time as “one of the finest science facilities in the small colleges of America”; in 1968 it was replaced by the new Science Center, which is, again, of the highest quality. The former Memorial Library, now Winston Hall, was replaced in 1961 after sixty-three years of service by Eggleston Library, named for J. D. Eggleston (President 1919-1939), the principal insitutional architect of the twentieth-century Hampden-Sydney; only fourteen years later, during the adminstration of Dr. W. Taylor Reveley (1963-1977), this building was more than doubled in size. The campus has grown steadily through purchase and gift, and is surrounded completely by farms, small-holdings, and woodland. Gammon Gymnasium, built in 1940, was expanded in 1955 and 1975; Johns Auditorium was erected in 1950; new athletic fields and tennis courts were added in 1976; Graham Hall, in the heart of the campus, has been converted to use as a student center; and the College completed work in September 1979 on a new athletic center. Academic, social, and cultural programs of the College continue to be enriched, and Hampden-Sydney looks into its third century with a wholesome optimism, bred of a sober integrity of mission coupled with a history of sound development, and made possible by an extraordinary succession of leaders and benefactors of rare ability, commitment, and vision.



PRESIDENTS OF THE COLLEGE

SAMUEL STANHOPE SMITH, D.D., LL.D.	1775-1779
JOHN BLAIR SMITH, D.D.	1779-1789
DRURY LACY, D.D. (<i>Vice President and Acting President</i>)	1789-1797
ARCHIBALD ALEXANDER, D.D., LL.D.	1797-1806
WILLIAM S. REID, D.D. (<i>Vice President and Acting President</i>)	1807
MOSES HOGE, D.D.	1807-1820
JONATHAN P. CUSHING, A.M. (<i>Acting President</i>)	1820-1821
(<i>President</i>)	1821-1835
GEORGE A. BAXTER, D.D. (<i>Acting President</i>)	1835
DANIEL LYNN CARROLL, D.D.	1835-1838
WILLIAM MAXWELL, LL.D.	1838-1844
PATRICK J. SPARROW, D.D.	1845-1847
S. B. WILSON, D.D. (<i>Acting President</i>)	1847
F. S. SAMPSON, D.D. (<i>Acting President</i>)	1847-1848
CHARLES MARTIN, A.B. (<i>Acting President</i>)	1848-1849 and 1856-1857
LEWIS W. GREEN, D.D.	1848-1856
REV. ALBERT L. HOLLADAY (<i>Died before taking office</i>)	1856
JOHN M. P. ATKINSON, D.D.	1857-1883
RICHARD McILWAINE, D.D., LL.D.	1883-1904
JAMES R. THORNTON, A.M. (<i>Acting President</i>)	1904
WILLIAM H. WHITING, JR., A.M., LL.D. (<i>Acting President</i>)	1904-1905 and 1908-1909
J.H.C. BAGBY, Ph.D. (<i>Acting President</i>)	1905
JAMES GRAY McALLISTER, D.D., LL.D., D.Litt.	1905-1908
HENRY TUCKER GRAHAM, D.D., LL.D.	1908-1917
ASHTON W. McWHORTER, A.M., Ph.D. (<i>Acting President</i>)	1917-1919
JOSEPH DuPUY EGGLESTON, A.M., Ph.D.	1919-1939
EDGAR GRAHAM GAMMON, D.D., LL.D.	1939-1955
JOSEPH CLARKE ROBERT, A.B., A.M., Ph.D., Litt.D., LL.D.	1955-1960
THOMAS EDWARD GILMER, B.S., M.S., Ph.D., D.Sc.	1960-1963
WALTER TAYLOR REVELEY, B.A., B.D., Ph.D., LL.D.	1963-1977
JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.)	1977-

Bunting

BOARD OF TRUSTEES

Class of 1980

S. DOUGLAS FLEET, Chairman	Richmond, Virginia
LEWIS G. CHEWNING	Richmond, Virginia
JAMES J. COLEMAN, JR.	New Orleans, Louisiana
RICHARD A. MICHAUX	Richmond, Virginia
WILLIAM M. PASSANO, JR.	Baltimore, Maryland
BENJAMIN A. SOYARS	Richmond, Virginia
GEORGE E. TAYLOR	Richmond, Virginia
DONALD A. TOLLEFSON	Washington, D.C.

Class of 1981

W. CECIL CARPENTER	Virginia Beach, Virginia
GEORGE B. CARTLEDGE	Roanoke, Virginia
J. BRUCE JAMES	Richmond, Virginia
S. E. LILES	Norfolk, Virginia
MRS. WILLIAM McBRATNEY, JR.	Lynchburg, Virginia
HENRY C. SPALDING, JR.	Richmond, Virginia
WILLIAM F. SPOTSWOOD, JR.	Irvington, Virginia

Class of 1982

BERNARD E. BAIN	Lynchburg, Virginia
T. KYLE BALDWIN	Farmville, Virginia
WILLIAM R. HILL, JR.	Richmond, Virginia
PETER A. LEGGETT	Lynchburg, Virginia
JOHN B. LONG	Daniels, West Virginia
W. R. MIDDELTHON, JR.	Miami, Florida
L. WHITE MATTHEWS III	St. Louis, Missouri

Class of 1983

FREDERICK W. BECK, JR.	Petersburg, Virginia
JOHN E. BLOMQUIST	Richmond, Virginia
RAYMOND B. BOTTOM, JR.	Newport News, Virginia
J. B. FUQUA	Atlanta, Georgia
WILLIAM H. LEACHMAN	Alexandria, Virginia
W. SYDNOR SETTLE	New York, New York
MRS. JAMES C. WHEAT	Richmond, Virginia

Class of 1984

EDWIN A. DEAGLE	New York, New York
ROBERT W. KING, JR.	Charlotte, North Carolina
MRS. WILLIAM T. REED, JR.	Manakin-Sabot, Virginia
C. DANIEL SHELBURNE	Raleigh, North Carolina
PAUL S. TRIBLE, JR.	Washington, D.C.
JAMES L. TRINKLE	Roanoke, Virginia
RICHARD M. VENABLE, JR.	Charleston, West Virginia

Alternates:

THE HON. ERNEST P. GATES	Chester, Virginia
DR. GEORGE A. RUPP	Boston, Massachusetts

ADMINISTRATIVE OFFICERS

1979-80

JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.)	President of the College
NATHANIEL H. ACKER, B.S.	Vice President for Institutional Development
LEWIS H. DREW, B.A., M.A.T., Ed.D.	Dean of Students
BRUCE L. FRY, B.S.	Vice President for Finance
DANIEL P. POTEET II, B.A., M.A., Ph.D.	Dean of the Faculty
MARTIN M. SHERROD, B.A.	Assistant to the President
JOHN H. WATERS III, B.A.	Director of Admissions

ADMINISTRATIVE STAFF

1979-80

RICHARD S. BENNER, B.A., M.Ed.	Director of Counseling and Career Planning
THOMAS O. BONDURANT, B.S.	Business Manager
R. B. LEE CARTER, B.A.	Associate Director of Admissions and Financial Aid
MERRILL A. ESPIGH, B.S., M.A., Ph.D.	Registrar
J. STOKELY FULTON, B.S.	Athletic Director
JAMES G. GAMBLE	Programmer/Analyst
J. SHEPPARD HAW III, B.A.	News and Information Officer
S. WARREN KERNODLE	Superintendent of Buildings and Grounds
REID A. LaCLAIR, B.A.	Admissions Counselor
RICHARD C. McCLINTOCK, B.A., M.A., Ph.D.	Director of Publications
G. MICHAEL PACE, JR., B.A.	Assistant Director of Annual Giving
VIRGINIA G. REDD	Director of Records and Research
WILLIAM J. SEEGER, B.A., M.A.	Director of Capital Programs
THOMAS H. SHOMO, B.A., M.A.Ed.	Assistant Dean of Students and Director of Financial Aid
ROBERT L. SUDDUTH IV, B.S.	Director of Alumni Relations
MICHAEL D. WARD, B.A.	Assistant Director of Admissions
ROBERT M. WRIGHT, B.A.	Admissions Counselor

FACULTY

1979-80 (By Rank)

- EMMET ROACH ELLIOTT, B.S., M.A., Ph.D. (1934, 1964) *Professor Emeritus of Mathematics*
- WILLIAM COLLAR HOLBROOK, A.B., B.A. (Oxon.), M.A., Ph.D. (1960, 1970) *Converse Professor Emeritus of Romance Languages*
- THOMAS EDWARD GILMER, B.S., M.S., Ph.D., D.Sc. (1927, 1971) *Professor Emeritus of Physics*
- ALBERT LOUIS LEDUC, A.B., M.A., Ph.D. (1962, 1972) *Professor Emeritus of Modern Languages*
- ELMO BERNARD FIRENZE, B.A., M.A. (1946, 1974) *Professor Emeritus of German and French*
- DUDLEY BYRD SELDEN, B.S., M.S. (1961, 1974) *Associate Professor Emeritus of Mathematics*
- CHARLES FERGUSON McRAE, B.A., B.D., Th.M., Th.D. (1942, 1975) *Professor Emeritus of Bible*
- GRAVES HAYDON THOMPSON, B.A., A.M., Ph.D., Litt.D. (1939, 1977) *Blair Professor Emeritus of Latin*. B.A., Hampden-Sydney College, 1927; A.M., Harvard University, 1928; Ph.D., Harvard University, 1931; Litt.D., Hampden-Sydney College, 1979.
- ROBERT THRUSTON HUBARD, JR., B.A., J.D. (1946, 1977) *Professor Emeritus of Political Science*. B.A., Hampden-Sydney College, 1935; J.D., University of Virginia, 1942.
- JOSEPH BURNER CLOWER, B.A., B.D., Th.M., Th.D., (1954, 1977) *Professor Emeritus of Bible*
- WILLARD FRANCIS BLISS, B.A., Ph.D. (1946, 1963) *Squires Professor of History*. B.A., Tufts College, 1939; Ph.D., Princeton University, 1946.
- WEYLAND THOMAS JOYNER, B.S., M.A., Ph.D. (1957, 1963) *Professor of Physics*. B.A., Hampden-Sydney College, 1951; M.A., Duke University, 1952; Ph.D., Duke University, 1955.
- JOSEPH WILLARD WHITTED, B.S., M.A., Ph.D. (1949, 1964) *Professor of Modern Languages*. B.S., Davidson College, 1933; M.A., University of North Carolina 1941; Ph.D., University of North Carolina, 1963.
- THOMAS EDWARD CRAWLEY, B.A., M.A., Ph.D. (1946, 1969) *Hurt Professor of English*. B.A., Hampden-Sydney College, 1941; M.A., University of North Carolina, 1953; Ph.D., University of North Carolina, 1965.
- HASSELL ALGERNON SIMPSON, B.S., M.A., Ph.D. (1962, 1965) *Professor of English*. B.S., Clemson University, 1952; M.A., Florida State University, 1957; Ph.D., Florida State University, 1962.
- DONALD RICHARD ORTNER, B.A., B.M., C.R.M., M.A., Ph.D. (1961, 1967) *Professor of Psychology and College Psychologist*. B.A., Northwestern College, 1944; B.M., Illinois Wesleyan University, 1946; C.R.M., Wisconsin Lutheran Seminary, 1947; M.A., Eastern Michigan University, 1957; Ph.D., Michigan State University, 1964.
- THOMAS TABB MAYO IV, B.S., M.S., Ph.D. (1962, 1967) *Professor of Physics*. B.S., Virginia Military Institute, 1954; M.S., University of Virginia, 1957; Ph.D., University of Virginia, 1960.
- HOMER ALVIN SMITH, JR., B.A., Ph.D. (1964, 1967) *Professor of Chemistry*. B.A., Rice University, 1953; Ph.D., Oklahoma State University, 1961.
- FRANK JAMES SIMES, A.B., M.A., D. Ed. (1967) *Professor of Psychology*. A.B., University of Michigan, 1938; M.A., State University of New York, 1948; D. Ed., Pennsylvania State University, 1951.
- WILLIAM WENDELL PORTERFIELD, B.S., M.S., Ph.D. (1964, 1968) *Professor of Chemistry*. B.S., University of North Carolina, 1957; M.S., California Institute of Technology, 1960; Ph.D., University of North Carolina, 1962.
- TULLY HUBERT TURNEY, JR., A.B., Ph.D. (1965, 1973) *Professor of Biology*. A.B., Oberlin College, 1958; Ph.D., University of North Carolina, 1963.
- WALTER TAYLOR REVELEY, A.B., B.D., Ph.D., LL.D., D.Litt. (1963, 1978) *Professor of Religion and President Emeritus*. A.B., Hampden-Sydney College, 1939; B.D., Union Theological Seminary, 1942; Ph.D., Duke University, 1953; LL.D., Southwestern at Memphis, 1966; D.Litt., the College of Charleston, 1976.

- EDWARD ALEXANDER CRAWFORD, JR., B.S., M.A. (1963, 1979) *Professor of Biology*. B.S., University of South Carolina, 1948; M.A., University of Virginia, 1956.
- JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.), (1977) *President of the College and Adjunct Professor of English*. B.A., Virginia Military Institute, 1963; B.A., University of Oxford, 1965; M.A., University of Oxford, 1969.
- EDWARD MARION KIESS, B.S., M.S., Ph.D. (1968, 1969) *Associate Professor of Physics*. B.S., Massachusetts Institute of Technology, 1955; M.S., Pennsylvania State University, 1962; Ph.D., Pennsylvania State University, 1965.
- WILLIAM ROBERT HENDLEY, B.A., Ph.D.* (1970) *Associate Professor of Economics*. B.A., Yale University, 1956; Ph.D., Duke University, 1966.
- OWEN LENNON NORMENT, JR., A.B., B.D., Th.M., Ph.D. (1966, 1971) *Associate Professor of Religion*. A.B., University of North Carolina, 1955; B.D., Union Theological Seminary, 1958; Th.M., Union Theological Seminary, 1959; Ph.D., Duke University, 1968.
- STANLEY ROBERT GEMBORYS, A.B., Ph.D. (1967, 1973) *Associate Professor of Biology*. A.B., Dartmouth College, 1964; Ph.D., Auburn University, 1967.
- MERRILL ALVIN ESPIGH, B.S., M.A., Ph.D. (1962, 1974) *Registrar and Associate Professor of Mathematics*. B.S., Shippensburg State College, 1958; M.A., Louisiana State University, 1962; Ph.D., Florida State University, 1973.
- THOMAS EDWARD DeWOLFE, A.B., M.A., Ph.D. (1966, 1974) *Associate Professor of Psychology*. A.B., Harvard University, 1954; M.A., Vanderbilt University, 1960; Ph.D., University of Houston, 1969.
- JOHN LUSTER BRINKLEY, B.A., B.A. (Oxon.), M.A., M.A. (Oxon.) (1967, 1974) *Associate Professor of Classical Studies and Clerk of the Faculty*. B.A., Hampden-Sydney College, 1959; B.A., University of Oxford, 1962; M.A., Princeton University, 1965; M.A., University of Oxford, 1966.
- VINCENT ALBERT IVERSON, B.A., S.T.B., M.A., Ph.D. (1967, 1974) *Associate Professor of Philosophy*. B.A., University of Minnesota, 1959; S.T.B., Harvard Divinity School, 1962; M.A., Yale University, 1964; Ph.D., Yale University, 1968.
- RONALD LYNTON HEINEMANN, B.A., M.A., Ph.D. (1968, 1974) *Associate Professor of History*. B.A., Dartmouth College, 1961; M.A., University of Virginia, 1967; Ph.D., University of Virginia, 1968.
- AMOS LEE LAINE, B.A., M.A., Ph.D. (1968, 1974) *Associate Professor of History*. B.A., Randolph-Macon College, 1962; M.A., Duke University, 1965; Ph.D., Duke University, 1972.
- HERBERT JAMES SIPE, JR., B.S., Ph.D. (1968, 1974) *Associate Professor of Chemistry*. B.S., Juniata College, 1961; Ph.D., University of Wisconsin, 1969.
- LAWRENCE HENRY MARTIN, JR., B.A., M.A., Ph.D. (1969, 1974) *Associate Professor of English*. B.A., Tufts University, 1964; M.A., University of Massachusetts, 1966; Ph.D., University of Massachusetts, 1969.
- WILLIAM ALBERT SHEAR, A.B., M.A., Ph.D. (1974) *Associate Professor of Biology*. A.B., College of Wooster, 1963; M.A., University of New Mexico, 1965; Ph.D., Harvard University, 1971.
- LEON NEELY BEARD, JR., B.A., Ph.D.* (1968, 1975) *Associate Professor of Physics*. A.B., Vanderbilt University, 1957; Ph.D., Vanderbilt University, 1967.
- JAMES YOUNG SIMMS, JR., A.B., M.A., Ph.D. (1968, 1975) *Associate Professor of History*. A.B., University of Maryland, 1958; M.A., University of Maryland, 1965; Ph.D., University of Michigan, 1976.
- RAY ALLEN GASKINS, B.S., Ph.D. (1970, 1975) *Associate Professor of Mathematics*. B.S., Virginia Polytechnic Institute and State University, 1964; Ph.D., Virginia Polytechnic Institute and State University, 1971.
- JORGE ANTONIO SILVEIRA, B.A., J.D., M.A., Ph.D.* (1970, 1975) *Associate Professor of Modern Languages*. B.A., Instituto Santiago, Santiago de Cuba, 1949; Doctor en Derecho, Universidad de La Habana, Havana, Cuba, 1955; M.A., University of North Carolina, 1969; Ph.D., University of North Carolina, 1974.
- ROBERT GRANT ROGERS, B.S., S.T.B., Ph.D. (1975) *Associate Professor of Religion*. B.S., Ohio State University, 1960; S.T.B., Boston University School of Theology, 1963; Ph.D., Boston University, 1969.
- CHARLES WAYNE TUCKER, B.A., M.A., Ph.D. (1972, 1976) *Associate Professor of Classics*. B.A.,

Randolph-Macon College, 1960; M.A., University of Virginia, 1966; Ph.D., University of Virginia, 1972.

DOUGLAS STUART THOMPSON, B.S., Ph.D. (1976) *Associate Professor of Chemistry*. B.S., University of California (Berkeley), 1961; Ph.D., Massachusetts Institute of Technology, 1965.

GEORGE FRANKLIN BAGBY, JR., B.A., M.A., Ph.D.* (1972, 1977) *Associate Professor of English*. B.A., Haverford College, 1965; M.A., Yale University, 1968; Ph.D., Yale University, 1975.

KEITH WILLIAM FITCH, B.S., M.A., Ph.D. (1972, 1978) *Associate Professor of History*. B.S., Purdue University, 1960; M.A., Purdue University, 1968; Ph.D., Purdue University, 1972.

JACK PALMER SANDERS, B.A., Ph.D. (1974, 1978) *Associate Professor of Mathematics*. B.A., University of the South, 1965; Ph.D., University of Virginia, 1970.

JOSEPH E. GOLDBERG, B.A., Ph.D. (1975, 1978) *Associate Professor of Political Science*. B.A., State University of Iowa, 1962; Ph.D., University of Washington, 1973.

CARDON VERN BURNHAM, B.M.E., M.M., A.Mus.D. (1978) *Associate Professor of Fine Arts*. B.M.E., Bradley University, 1949; M.M., University of Illinois, 1950; A.Mus.D., Eastman School of Music, 1960.

ALAN FORD FARRELL, A.B., M.A., Ph.D. (1973, 1979) *Associate Professor of Modern Languages*. A.B., Trinity College, 1966; M.A., Tufts University, 1967; M.A., Tufts University, 1972; Ph.D., Tufts University, 1972.

PAUL ANTHONY JAGASICH, B.A., B.S., M.A., Ph.D. (1973, 1979) *Associate Professor of Modern Languages*. B.A., Apaczai Pedag. College, Budapest, Hungary, 1955; B.S., Eotvos Tud. Egyetem, Budapest, H., 1960; B.A., Eotvos Tud. Egyetem, Budapest, H., 1962; B.A., Eotvos Tud. Egyetem, Budapest, H., 1964; M.A., University of North Carolina, 1970; M.A., University of North Carolina, 1971; Ph.D., University of North Carolina, 1973.

BRIAN EUGENE SCHRAG, B.A., M.A., Ph.D. (1973, 1979) *Associate Professor of Philosophy*. B.A., Bethel College, 1964; M.A., University of Iowa, 1971; Ph.D., Vanderbilt University, 1975.

GUSTAV HENRY FRANKE, B.S., B.S., M.A.T. (1965, 1968) *Assistant Professor of Mathematics*. B.S.,

Auburn University, 1938; B.S., Auburn University, 1939; M.A.T., Duke University, 1965.

MARY MONTGOMERY SAUNDERS, B.A., M.A., Ph.D. (1976, 1977) *Assistant Professor of English*. B.A., Duke University, 1966; M.A., University of Illinois, 1967; Ph.D., University of Illinois, 1974.

DAVID E. MARION, B.A., M.A., Ph.D. (1977) *Assistant Professor of Political Science*. B.A., Saint Anselm's College, 1970; M.A., University of New Hampshire, 1972; Ph.D., Northern Illinois University, 1977.

DAVID B. J. ADAMS, A.B., M.A., Ph.D. (1978) *Assistant Professor of Political Science*. A.B., College of William & Mary, 1963; M.A., University of Chicago, 1968; Ph.D., University of Chicago, 1977.

JAMES ALEXANDER ARIETI, B.A., M.A., Ph.D. (1978) *Assistant Professor of Classics*. B.A., Grinnell College, 1969; M.A., Stanford University, 1972; Ph.D., Stanford University, 1972.

GERALD MORRIS BRYCE, B.S., Ph.D. (1978) *Assistant Professor of Mathematics*. B.S., Denison University, 1967; Ph.D., University of Virginia, 1975.

DAVID WILLIAM GIBSON, B.A., M.A. (1979) *Assistant Professor of Economics*. B.A., University of Richmond, 1976; M.A., College of William & Mary, 1978.

ANNE CASTEEN LUND, B.S., M.S., Ph.D. (1974) *Adjunct Assistant Professor of Biology*. B.S., Longwood College, 1967; M.S., Emory University, 1968; Ph.D., Emory University, 1974.

BENJAMIN BOATWRIGHT ALEXANDER, B.A., M.A., Ph.D. (1979) *Visiting Assistant Professor of Rhetoric and English*. B.A., University of the South, 1971; M.A., University of Dallas, 1975; Ph.D., University of Dallas, 1979.

DAVID WINSTON TAYLOR, B.A., M.A., (1978) *Instructor in Rhetoric*. B.A., University of Tennessee, 1974; M.A., Arkansas State University, 1976.

DANIEL POWELL POTEET II, B.A., M.A., Ph.D. (1977, 1978) *Dean of the Faculty*. B.A., Harvard University, 1963; M.A., University of Illinois, 1965; Ph.D., University of Illinois, 1969.

JOHN RYLAND, B.A., M.A. (1979) *Head Librarian*. B.A., Florida State University, 1964; M.A., Florida State University, 1969.

ALAN FREDERICK ARTHUR ZOELLNER, B.A., M.A., M.L.S., Ph.D. (1977) *Reference Librarian*. B.A., Carthage College, 1966; M.A., Indiana University, 1968; M.L.S., Indiana University, 1977; Ph.D., Indiana University, 1977.

THOMAS J. O'GRADY, B.A., M.A. (1974) *Poet-in-Residence and Lecturer in English*. B.A., University of Baltimore, 1966; M.A., Johns Hopkins University, 1967.

CARL STERN, A.B., M.B.A., Ph.D.† (1971) *Lecturer in Economics*. A.B., Colby College, 1943; M.B.A., University of Pennsylvania, 1947; Ph.D., University of Pennsylvania, 1954.

R. EDWARD CHATTERTON, B.A., M.A.† (1976) *Lecturer in Economics*. B.A., Southwest Missouri State College, 1968; M.A., Central Missouri State University, 1973.

STEWART DONALD SEQUIN, JR., B.A., M.A. (1979) *Lecturer in Psychology*. B.A., Hampden-Sydney College, 1976; M.A., Trinity University, 1978.

*On leave 1979-1980

†Exchange faculty from Randolph-Macon Woman's College

NOTE: The first date in parentheses indicates the year in which the faculty member began faculty service at the College. The second date indicates the year of appointment to the present rank.

LIBRARY

JOHN RYLAND, B.A., M.A. Librarian
ALAN ZOELLNER, B.A., M.A., M.L.S., Ph.D. *Reference Librarian*

SANDRA W. HEINEMANN, B.A., M.A.L.S. *Catalogue Librarian*
ELNA ANN MAYO, A.B., M.A. *Serials Librarian*

ATHLETICS

JOHN STOKLEY FULTON, B.S.
Athletic Director and Football Coach

GUSTAV H. FRANKE, JR., B.S., M.A.T.
Golf Coach

LOUIS ALEXANDER WACKER, JR., B.A., M.A.
Wrestling and Assistant Head Football Coach

BOBBY G. SAYLOR, B.A., M.S.
Assistant Athletic Director, Tennis Coach, and Supervisor of the Athletic Center

DONALD P. THOMPSON, B.A., M.A.
Basketball Coach

WILLIAM T. REID, B.A.
Lacrosse Coach, Co-ordinator of Intramural Sports, and Sports Information Director

JAMES Y. SIMMS, A.B., M.A., Ph.D.
Soccer Coach

GILMAN Z. SIMMS, B.S., D.D.S.
Athletic Trainer

CRAIG R. DENEGAR, B.S., M.Ed.
Athletic Trainer

DAVID TURK, B.A.
Assistant Football and Lacrosse Coach

ASSISTANTS AND SECRETARIES

ADMINISTRATIVE

MISS A. LOUISE ALLEN *Secretary in the Office of Admissions and Financial Aid*
 MRS. P. TULANE ATKINSON ... *Hostess, Parents and Friends Lounge and Curator, Museum*
 MRS. ERNA W. CLEMENTS *Cashier*
 MRS. LINDA COTHRAN, B.A. *Secretary to the Dean of the Faculty*
 MRS. DORIS M. COOK *Assistant Purchasing Agent*
 MRS. CYNTHIA S. CURRY, B.A., M.A. *Secretary to the Director of Counseling and Career Planning*
 MRS. VIRGINIA W. DRUEN *Secretary to the President*
 MRS. MARY L. EMBREY *Secretary to the Department of Athletics*
 MRS. LYNN W. ESTES, B.A. *Mailing and Records Secretary*
 MRS. BARBARA C. FORE *Secretary to the Dean of Students*
 MRS. MARY FRANKE, B.S. *Postmistress*
 MRS. BRENDA F. GARRETT *MT/ST Composer Operator*
 MRS. MELODY F. GREEN *Secretary in the Office of Admissions and Financial Aid*
 MRS. CLARA C. JOHNSON *Part-time Secretary, Office of the Registrar*
 MRS. VIRGINIA W. JOHNSTON *Secretary to the Vice President for Finance*
 MRS. JEANETTE S. McKAY *Secretary, Institutional Development*
 MRS. SHIRLEY MORING *Secretary in the Office of Admissions and Financial Aid*

MISS SHIRLEY K. MOTTLEY *Receipts Clerk, Institutional Development*
 MRS. GERRY PETTUS *Switchboard Operator and Secretary*
 MRS. BARBARA S. REINHARDT *Posting Clerk*
 MRS. KAREN SENGEL *Data Order Entry Operator*
 MRS. NANCY S. SAYLOR *Secretary to the Vice President for Institutional Development*
 MRS. MARJORIE E. SCHRAG, B.A. ... *Part-time Clerk, Office of Admissions*
 MRS. JIL SUDDUTH *Secretary, Institutional Development*
 MRS. FLORENCE C. WATSON *Recorder*
 MRS. QUETA S. WATSON *Assistant Supervisor of Housekeeping and Secretary to the Department of Buildings and Grounds*
 MRS. MERLE C. WELLS .. *Supervisor of Housekeeping*
 MRS. HOPE YOUNG *Assistant Postmistress*

ACADEMIC

JAMES W. BELL *Chemistry Technician*
 MRS. ANNE S. BERRY *Secretary, Library*
 MRS. JEWEL D. FORE *Secretary, Library*
 MRS. JEAN P. HUDSON *Secretary, Gilmer Hall*
 LANCE O. HUNT, B.S. . *Biology Laboratory Technician*
 JAMES JENNINGS *Physics Technician*
 MRS. LINNIE N. KERNODLE .. *Secretary, Bagby Hall*
 MRS. FLORENCE P. SEAMSTER ... *Secretary, Library*
 MRS. TERESA SUTPHIN *Secretary, Morton Hall*

COMMITTEES OF THE FACULTY

The Committees of the Faculty meet regularly throughout the academic year. Through their members suggestions about College business or policy may be made. The major committees, Academic Affairs, Faculty Affairs, and Student Affairs, Budget-Audit, Grievance and their subcommittees are listed below with their areas of responsibility and the names and terms (the number in parentheses indicates the last year in office) of their members.

ACADEMIC AFFAIRS COMMITTEE

Responsible for general educational policy, new academic programs and departments, curriculum and course approval, non-classroom educational resources (*e.g.*, audiovisual materials, computer programs, library), remedial and study skills programs, academic calendar, nominations of committee members where needed, and emergency action on behalf of the Faculty. Also serves as the Executive Committee of the Faculty between Faculty meetings. May establish sub-committees and *ad hoc* committees, for purpose definite, to report to it.

Membership:

- 3 faculty members, 1 elected from each division, by each division, for 3 year staggered terms: Turney (80), Heinemann (81), Norment (82)
- 1 faculty member elected at large annually: Smith
- 1 faculty member appointed by the President annually after the election of the above: Adams
- 1 student elected annually in the Spring by faculty members of the Committee (save for Executive Committee business): Sherrod

Chairman *ex officio*, Dean of the Faculty: Poteet

Honors Council

A subcommittee of the Academic Affairs Committee, responsible for supervision and direction of the general Honors Program, Departmental Honors, Senior and Senior Major (Allan) Fellowships, and the Merit Scholarship Program.

Membership:

- Dean of the Faculty, *ex officio*: Poteet
 - 3 faculty teaching Honors Courses, one appointed by the Dean from each division, for 3 year staggered terms: Heinemann (80), Mayo (81), DeWolfe (82)
 - 1 faculty member not teaching Honors Courses, appointed by the Dean for a 3 year term: Rogers (80)
- Chairman, appointed by the Dean from among the members: Rogers (80)

Admissions and Financial Aid Committee

A subcommittee of the Academic Affairs Committee, responsible for supervision and implementation of the admissions and financial aid policy established by the Faculty.

Membership:

Director of Admissions (Chairman *ex officio*): Waters

Dean of Students: Drew

3 faculty members elected one each year, for 3 year staggered terms, by the Faculty: Saunders (80), Sanders (81), Marion (82)

1 faculty member appointed annually be the President, after the above election: Farrell

(The Chairman shall invite such other members of the Administration as shall be appropriate to sit in on meetings when needed.)

Premedical Committee

A subcommittee of the Academic Affairs Committee, responsible for giving advice and counsel to premedical students; for liaison with medical, dental, and veterinary schools.

Membership:

5 faculty members appointed for 5 year staggered terms, one appointed each year by the President: Fitch (80), Brinkley (81), Crawford (82), D. Thompson (83), Kiess (84)

Foreign Study Committee

A subcommittee of the Academic Affairs Committee, responsible for generating and evaluating programs entailing foreign study, promotion of participation in such study, and screening applicants for foreign study.

Membership:

4 faculty members appointed for 4 year staggered terms, one appointed each year by the President: Jagasich (80), Simms (81), Silveira (82), Martin (83, Chairman)

FACULTY AFFAIRS COMMITTEE

Responsible for advice and consent on faculty hiring, promotion, and tenure; advice to the Dean of the Faculty on the funding of faculty research, sabbaticals and development.

Membership:

- 3 faculty members (all tenured faculty), 1 elected from each division, by each division, for 3 year staggered terms: DeWolfe (80), Simpson (81), Mayo (82)
- 3 faculty members, one from each division, elected by the faculty as a whole for 3 year staggered terms: Tucker (80), Shear (81), Laine (82)

Dean of the Faculty, *without vote*: Poteet

Chairman, to be elected from within the Committee: Shear

STUDENT AFFAIRS COMMITTEE

Responsible for review, explication, and recommendation of policies and regulations pertaining to student life, including athletics and recreation, community service, disciplinary procedures, religious life, housing, food services, counseling and career services, vehicular traffic, and other non-academic aspects of campus life.

Membership:

3 faculty members, one elected at large each year for a 3 year term: Schrag (80), Marion (81), Farrell (82)

President of the Student Government: Vance Hull

2 students appointed by the President of the College annually in the spring: Pantele, Tindall

Dean of Students *ex officio*: Drew

Chairman, to be elected from within the Committee: Drew

Athletic Committee

A subcommittee of the Student Affairs Committee, responsible for implementation of athletic policies established by the Faculty, oversight and review of varsity and intramural athletic programs; liaison between the Athletic Director and the Faculty.

Membership:

Athletic Director *ex officio*: Fulton

Dean of Students *ex officio*: Drew

4 faculty members, one elected at large each year for a 4 year term: Sanders (80), Porterfield (81), D. Thompson (82), Simms (83)

1 student appointed by the President of the College each Spring: Grover

Lectures and Programs Committee

A subcommittee of Student Affairs Committee, responsible for planning, coordinating, and implementing co-curricular intellectual, cultural, and aesthetic activities.

Membership:

3 faculty members, serving 3 year staggered terms — 1 (Chairman), appointed by the President; 2 elected by the Faculty: Fitch (80, Chairman), Schrag (81), Adams (82)

4 Students chosen annually in the Spring by the Student Body President:

Dean of Students: Drew

BUDGET-AUDIT COMMITTEE

Responsible for annual review and evaluation of priorities reflected in the budget, and the general fiscal condition of the College — the findings to be reported to the Faculty, students, and trustees.

Membership (may be faculty, student, and/or administrator, as elected):

2 elected from the Academic Affairs Committee, by the Academic Affairs Committee, annually: Heinemann, Turney

2 elected from the Faculty Affairs Committee, by the Faculty Affairs Committee, annually: Mayo, Shear

2 elected from the Student Affairs Committee, by the Student Affairs Committee, annually: Marion, Tindall

Chairman *ex officio*, President of the College: Bunting

GRIEVANCE COMMITTEE

Responsible for hearing grievances including appeals of tenure, promotion and hiring decisions.

Membership (elected from tenured faculty):

5 faculty members elected at large for three-year staggered terms. Administrative officers are not eligible to serve. Fitch (80), Sanders (80), Porterfield (81), Iverson (82), Martin (82)

Chairman, to be elected from within the committee: Sanders



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ACADEMIC PROGRAM

In keeping with the classical ideal of education, Hampden-Sydney seeks "to form good men and good citizens." The College is committed to the development of humane and lettered men, and to the belief that a liberal arts education provides the best foundation not only for a professional career, but for the great intellectual and moral challenges of life. In an age of specialization, Hampden-Sydney responds to the call for well-rounded men who are educated in world cultures and can bring to bear on modern life the wisdom of the past. The College seeks to awaken intellectual potential in a search for truth that extends beyond the student's undergraduate experience while encouraging him to develop clarity and objectivity in thought, a sensitive moral conscience, and a dedication to responsible citizenship.

The liberal education offered at Hampden-Sydney prepares the student for the fulfillment of freedom. It introduces the student to general principles and areas of knowledge which develop minds and characters capable of making enlightened choices between truth and error, between right and wrong. The mere facts about a subject do not speak for themselves. They must be interpreted against a background of ideas derived from an understanding of the nature of logic, language, ethics, and politics. The individual who is educated in these areas and in the basic disciplines is able to confront any event with true freedom to act, outside of the constraints of prejudice and impulse. With this object in view, Hampden-Sydney's curriculum is directed toward the cultivation of a literate, articulate, and critical mind through the study of the sciences, the humanities, and the social sciences. It provides both breadth and depth in learning while being flexible enough to encourage independent programs of study. Believing that education should be a liberating experience emancipating men from the chains of ignorance, Hampden-Sydney strives to make men truly free.

CAREER PREPARATION

Students who are uncertain of their prospective career should take a wide variety of courses in the first two years of their college work in order to gain an introduction to the various fields of knowledge. Specialization in a particular field of their choice can then be accomplished in the last two years.

Special programs are suggested for students who may wish ultimately to seek admission to one of the professions or to a graduate school.

GRADUATE STUDY

Students who plan to enroll in graduate school should maintain close liaison with members of the faculty in the area in which they plan to continue their education. In order to gain admission to graduate school, an applicant is expected to have done undergraduate work of a high caliber. A reading knowledge of at least one modern foreign language is usually required for the Ph. D. degree, and the applicant must score well on the Graduate Record Examination. For more specific requirements, students should consult the catalogues of graduate schools to which they are interested in applying.

BUSINESS AND GOVERNMENT

Students have successfully entered business and government from every major program of the College. However, the economics major is especially appropriate for students planning to enter business, government administration, or accounting. For those students specifically interested in a managerial or administrative orientation the managerial economics sequence is suggested. For details of the managerial economics program see the Economics Department requirements.

A student may enter private business or government immediately after graduation from college or after specialized study at the graduate level. Public accounting calls for the baccalaureate degree and further training leading to professional certification.

THE CHRISTIAN MINISTRY

Theological seminaries do not specify particular courses as prerequisites for admission but instead urge those who contemplate the Christian ministry to take a broadly-based selection of courses in the humanities and in the social and natural sciences. While not requiring these languages for admission, the seminaries do recommend that a prospective minister acquire in his undergraduate training a working knowledge of Hebrew and Greek. Hampden-Sydney provides all these opportunities.

LAW

The Association of American Law Schools recommends a general liberal arts education for pre-law students because "many of the goals of legal education are also goals of liberal education."

The Association recommends courses which aim toward these objectives:

1. Clarity and lucidity in verbal expression.
2. A critical comprehension of social institutions.
3. Analytical and imaginative thinking.

With the foregoing objectives in mind, Hampden-Sydney College is prepared to assist the pre-law student in planning his program of study. General guidance to students is available in the Department of Government and Foreign Affairs, the Center for Counseling and Career Planning, and from the Pre-Law Advisors.

MEDICINE AND DENTISTRY

According to the publication *Medical School Admission Requirements* (18th edition), published by the Association of American Medical Colleges, "Medicine needs individuals with a diversity of educational background and a wide variety of talents and interests . . . Specific premedical course requirements . . . vary among the medical schools, but all recognize the desirability of a broad education—a good foundation in the natural sciences (mathematics, chemistry, biology, and physics), highly developed communication skills, and a rich background in the social sciences and humanities."

Eight semester hours of each of the following basic science courses are required for admission to virtually every medical school: general chemistry, organic chemistry, general biology, and general physics. Additional requirements are specified for some schools. Dental school requirements are similar.

A premedical student who has great interest in a non-science field may elect to major in that field. This is permissible, but he should understand that the *quality* of his science work must be unusually good to compensate for a greater quantity of science courses taken by others. In the words of *Medical School Admission Requirements* (18th edition), "the student who majors in a non-scientific field and elects the minimum number of required science courses must excel in them to insure the adequacy of his preparation and a favorable consideration of his application."

In order to prepare himself for the Medical College Admissions Test (MCAT) or the Dental Aptitude Test (DAT), generally taken at the end of the junior year, the student *must* complete the required basic science courses in his first three years. In order to develop the intellectual skills needed for good performance on the MCAT or DAT and to prove his motivation and ability for advanced study in medical/dental science, the student should elect a demanding curriculum in every semester. This should typically include at least two courses per semester in science and/or mathematics, and more for the well-qualified student who has a strong scientific orientation.

A faculty committee advises students concerning programs and applications, and prepares evaluations and recommendations.

SECONDARY SCHOOL TEACHING

The liberal arts education provides an excellent preparation for the individual who wishes not merely to qualify for, but to excel in, teaching at the secondary level. A strong major in the field to be taught, with supporting courses in related areas, is the most important preparation.

The interscience major provides a broad science background, including about six semesters' concentration in one field, and constitutes a satisfactory preparation for teaching in the field of concentration. However, the student who aspires to be a master teacher of science should elect a full major in one of the sciences in preparation for graduate study, as recommended by the National Science Teachers Association and other professional groups.

Most of the courses needed to satisfy the professional education requirements of the State may be taken at Hampden-Sydney or through the cooperative arrangement with Longwood College. The remaining course needed for full certification, student teaching, may be taken subsequently at any Virginia college which offers it. Students who think they may want to earn full certification should consult with the Registrar before the beginning of their junior year.

EDUCATIONAL FACILITIES

COMPUTING FACILITIES

The Hampden-Sydney Computing Facility is located on the first floor of Bagby Hall. The present system consists of the IBM 1130 Computer with 8196 words of core

memory, 500,000 word magnetic disk auxiliary memory, 1132 printer and 1442 card read punch. Five IBM 029 card punch machines and four Wang Laboratory Desk Calculators are available for student use.

LANGUAGE LABORATORY

A foreign language laboratory equipped with thirty individual booths is located in Bagby Hall for the instruction of students in audio-lingual skills. Regular work in the development of these skills is required of all first and second-year students in modern languages.

EGGLESTON LIBRARY

The Hampden-Sydney Library, named for former President Joseph DuPuy Eggleston, is housed in an efficient, modern, air-conditioned building which has recently been enlarged, more than doubling the original size. Seating space is provided for 450 readers, including individual study tables, typing cubicles, seminar rooms, a microform room, a listening room, and an outdoor reading terrace. Coin-operated Xerox facilities are available.

The book collection, numbering more than 110,000 volumes, got its start in 1775, nearly a year before the beginning of classes, when the Board of Trustees sent President Samuel Stanhope Smith to Philadelphia to purchase books for the new school. It is growing at the rate of some 4,000 volumes a year. More than 500 periodicals and scholarly journals are received regularly. In addition, the library is a depository for selected U.S. Government publications. With the exception of the special collections, the books and periodicals are all on open shelves and are readily available for ninety-six hours a week during the academic year. Students are instructed in the use of catalogues, bibliographies, and reference works, and in research techniques.

The attractively and comfortably furnished rare book room, a memorial to Alfred Alexander Jones, '42, contains the more valuable holdings of the library, along with books written by and about the alumni.

SCIENCE CENTER

The Science Center is a 62,500 square foot facility which includes a separate greenhouse. The facility was completed in 1968 and is unusually well equipped for undergraduate training in biology, chemistry and physics. Each of the three floors has been planned to

meet the special requirements of one of these three scientific disciplines. All three departments are research-oriented, and special areas have been designed for faculty research, independent student research, and cooperative faculty-student projects.

SPECIAL PROGRAMS

SPRING SHORT TERM

Hampden-Sydney conducts a "short term" from mid-May to late June. The purpose is to provide students an opportunity to take courses which are experimental in content or presentation, particularly those which require extensive time off campus, and to enable them to finish their degree requirements in three years at Hampden-Sydney if they desire.

The maximum course load that a student may carry during the short term is six semester hours. Fees are charged by the course-hour. Only students in good academic standing are eligible to enroll.

WASHINGTON SEMESTER PROGRAM

Hampden-Sydney College is one of approximately 100 colleges and universities in the United States participating in the Washington Semester Program of the American University in Washington, D.C. The Program is designed to afford well-qualified students an opportunity to study American government in action, not only through courses in the School of Government and Public Affairs, but also through the Seminar, which brings students into direct discussion with major public officials, political figures, lobbyists, and others active in national government. In addition to the regular Washington Semester, the arrangement with the American University includes the Washington Urban Semester, the Foreign Policy Semester, the Justice Semester, the Economic Policy Semester, the American Studies Semester, and the Washington Science and Technology Semester. The Seminar of the Foreign Policy Semester brings the student into contact with government officials, policy planners, key legislators, foreign embassy personnel and national defense officials, while course work is taken in the School of International Service. The Urban Semester involves work in urban management, civic problems, and contact with officials in the urban planning of Washington and surrounding communities. The Justice Semester includes work with justice officials on all levels of government to provide a

realistic picture of executive department implementation of crime-related legislation, federal investigative agencies, and the role of the federal court system in the administration of law. The Washington Economic Policy Semester is an intensive examination of the policy-making process in Washington, particularly as it relates to economic policy. The Washington Science and Technology Semester includes seminars, field study, and research to give insight into the present state of science and technology in specific national problem areas, such as the energy crisis.

The Program enables a student to earn sixteen semester hours of credit. This credit is earned through participation in three facets of the Program.

The Seminar (8 credit hours) which consists of a program of reading and dialogue between students and faculty and those in the Washington community who participate. Seminar sessions are held every week at either American University or the offices and committee rooms of the invited participants.

The Internship (4 credit hours) provides each student with an opportunity to gain first-hand experience as a member of the staff of an organization directly involved in the area of study. Internships are available in both the public and private sectors.

The Research Project (4 credit hours) gives students a broad latitude in treating subjects and issues within their area. Guidance is provided by the director of the program.

Only a few Hampden-Sydney students are accepted each semester. Student applicants must be seniors, juniors, or second semester sophomores at the time of their participation in the Program. Applicants must possess a cumulative grade average no lower than the line between B and C (2.5 on a 4 point scale) to be considered for admission. Nominations are made in early October and April for succeeding semesters. Applicants need not be Political Science majors, but must have had the equivalent of American Government or a beginning course in political science. Application instructions are announced twice a year.

Successful nominees pay tuition and fees to Hampden-Sydney. They are considered by both institutions to be constructively registered at Hampden-Sydney, and the semester's work at American University becomes part of the Hampden-Sydney transcript for degree credit.

Although the fees are paid to Hampden-Sydney, the costs are those charged by American University. An estimated breakdown of costs for the Washington Semester is listed below (1979-80 estimate):

1. Tuition	\$2,040.00
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2. Room Rental Fee (Per Student) —	
Double Room	635.00
Triple Room	431.00
3. Student Activity Fee	15.00
4. Residence Hall Association Fee	3.00
5. Parking Permit Fee	45.00

APPALACHIAN SEMESTER PROGRAM

The Appalachian Semester Program is conducted at Union College, Barbourville, Kentucky. It is a unique interdisciplinary academic program in which junior and senior students from higher educational institutions throughout the United States devote their full time to studying the Appalachian region—its strengths, problems and challenges. The program includes nine hours of credit in sociology at the upper division level, and six hours for field work in a variety of disciplines. Field work may be either experiential learning of a regional nature in a local service agency or other institutional setting, or it may be directed study in the region at large. The program is designed to combine interdisciplinary classroom experiences and on-the-scene community experiences into a "living-learning" situation where total involvement of students and faculty may take place. Opportunities are provided to discuss with local and regional leaders assets and problems of the region, and field trips are coordinated with seminar discussions in order to involve participants on the spot with current regional issues. Applications should be made to the Dean of the Faculty.

DUAL DEGREE PROGRAM

Hampden-Sydney College and Georgia Institute of Technology have established a plan whereby an undergraduate student will attend Hampden-Sydney College for approximately three academic years and the Georgia Institute of Technology for approximately two academic years. After completing the academic requirements of the two cooperating institutions, the student shall be awarded a bachelor's degree from Hampden-Sydney College and one of the several designated bachelor's degrees awarded by the Georgia Institute of Technology.

Dual Degree candidates from Hampden-Sydney College are eligible to seek any of the following degrees from Georgia Institute of Technology:

Bachelor of Aerospace Engineering
 Bachelor of Ceramic Engineering
 Bachelor of Chemical Engineering

Bachelor of Civil Engineering
 Bachelor of Electrical Engineering
 Bachelor of Engineering Economic Systems
 Bachelor of Engineering Science
 Bachelor of Industrial Engineering
 Bachelor of Mechanical Engineering
 Bachelor of Nuclear Engineering
 Bachelor of Science in Textile Chemistry
 Bachelor of Science in Textiles
 Bachelor of Textile Engineering

Interested students should consult the Hampden-Sydney Dual Degree program director, Dr. Beard, for information concerning specific course requirements.

APPLIED CHEMISTRY COOPERATIVE PROGRAM

Hampden-Sydney College and Virginia Polytechnic Institute and State University have established a cooperative program for students seeking careers in chemical engineering and/or applied chemistry, in which the student spends his first three years as a chemistry major at Hampden-Sydney followed by his senior year in the Department of Chemical Engineering at VPI&SU. Upon satisfactory completion of the program, the student is awarded the B.S. in chemistry from Hampden-Sydney. A student completing the program is eligible to begin study for the M.S. in chemical engineering at VPI&SU, upon approval by that institution, in a program requiring two summers and one academic year.

Students interested in this cooperative engineering program should contact the program advisor, Dr. Smith.

EXCHANGE

Hampden-Sydney College participates with Hollins College, Randolph-Macon Woman's College, Sweet Briar College, and Mary Baldwin College in a program known as EXCHANGE: A College Consortium. This program is designed primarily for juniors to study for a semester or academic year at one of the four other schools. Purposes of the program are to broaden the educational opportunities of students and to provide a diverse campus environment.

Eligibility of the student to participate is determined by the home institution. Students who are interested should apply to the Registrar.

LONGWOOD COLLEGE COOPERATIVE PROGRAM

The variety of courses available to Hampden-Sydney students has been increased by a cooperative

arrangement with Longwood College under which full-time students at either institution may enroll for certain courses at the other institution without added expense. A list of approved Longwood courses is maintained in the Registrar's Office. Application for a Longwood course is made through the Registrar of Hampden-Sydney, preferably at the time of pre-registration. Students are registered on a space-available basis.

ROTC

Hampden-Sydney men may enroll in the ROTC program conducted at Longwood College as part of the Longwood College Cooperative Program. Application for Military Science courses is made through the Registrar at Hampden-Sydney, just as for any other course at Longwood. Such courses are recorded on the student's transcript. *However, Military Science courses do not count as hours toward graduation, nor are they computed in the student's grade point average.*

Application for acceptance in the Advanced Course requires the nomination of the President of Hampden-Sydney College and acceptance into the Course by the Officer in Charge.

FOREIGN STUDY

Hampden-Sydney College does not conduct its own "study-abroad" program, but Hampden-Sydney students are eligible for some of the foreign study programs sponsored by other colleges on terms established by those institutions. In addition, the Foreign Study Committee can *recommend* to the Registrar that credit be given for satisfactory completion of any of a number of other programs involving academic work abroad. The programs approved usually require the student's participation in a group sponsored and supervised by an accredited American institution, or a recognized administrative agency, and the individual program must clearly form a legitimate part of the student's curriculum. The Committee's criteria for recommendation for credit include a minimum GPR and the approval of the student's major department and advisor. Ordinarily, no student who has accumulated fewer than 45 or more than 90 semester hours work at Hampden-Sydney will be eligible for foreign-study credit; all foreign-study credit will be counted. The recommendation for credit must be obtained *in advance* of the work abroad.

THE HONORS PROGRAM

The Honors Program is designed specifically for the man who has given evidence of intellectual curiosity, independence of thought, excitement about learning, and an appreciation of knowledge—for the sort of man who sparks the enthusiasm of his fellow students and challenges the best in his teachers. Participants in the program are encouraged to take an active role in the learning process, entering into dialogue with their professors and classmates, rather than just listening to lectures. The size of Hampden-Sydney, and her excellent faculty, make her uniquely suited to provide a learning environment for this type of motivated student.

The program provides the following components (each an independent entity that can be elected by the students): (1) *Introductory Honors* for freshmen and sophomores, consisting of one course per semester for four semesters. Four-fifths of the student's academic work is taken in the broader curriculum of the college during this period. (2) *Honors Independent Study* for juniors and seniors, comprising a series of courses, independent studies, or tutorials organized around a specific theme (generally cross-disciplinary) and culminating in an independent project. (3) *Honors Majors* are available to upperclassmen in specific departments. These consist of special courses and appropriate directed reading or independent study. Each student participating is designated a Fellow of the College, sharing fully in the ongoing creativity of the Faculty and his fellow Honors students.

Supervision of the Honors Program is the responsibility of the Honors Council, comprised of an advising-teaching team of faculty, administrative officers of the College, and members of the Board of Trustees of the College. Participation in Honors work is limited to demonstrably superior students who either apply for membership in the program or are nominated by guidance counselors or professors. Interested students should consult the Director of the Honors Council, Dr. Rogers. Entrance into any phase of the program is subject to the approval of the Honors Council.

SENIOR FELLOWSHIPS

In the spring of their junior year a group of men are selected to be Senior Fellows for the following year. These men must demonstrate the maturity, intellectual competence, and imaginative curiosity to warrant their pursuit of a program of independent study contributing to their own enrichment and that of the College. The Fellows are permitted the maximum amount of freedom consonant with the satisfactory development and

completion of their personal project. This normally includes the waiving of conventional curriculum requirements. Each Senior Fellow shall work closely with an advisor in executing his program of study. Usually the Fellow is required to submit a year-end report of his efforts. The essence of the Senior Fellowship program is responsible individualism. Within a reasonable academic framework, the student is offered an unexcelled opportunity for personal intellectual fulfillment.

Selection of the Fellows is made by the President on the recommendation of the Honors Council. The Council shall provide general supervision of all programs and may prescribe certain requirements for the Fellows. Also, the Council must certify at year's end that the program of study undertaken has been successfully completed.

Members of the junior class may become candidates for Senior Fellowships by individual application, or on nomination by any member of the faculty. Each candidate must file his application with the Director of the Honors Council during the first few weeks of the second semester. He shall include in his application the name of the faculty member who has consented to be his principal advisor and a detailed description of his project, what he proposes to do, why he wants to do it, and how to achieve his purposes. Senior Fellows pay full tuition.

THE RHETORIC PROGRAM

The Rhetoric Program was established by a vote of the faculty in 1977-1978. The purpose of the program is to assure that all graduates of the College are able to write and speak clearly, cogently, and grammatically. The program is divided into a two-course sequence, Rhetoric 101 and 102.

Rhetoric 101 teaches the mechanics of effective writing—from basic sentence patterns through paragraph development to the preparation of an effective paper. Entering students with scores at or above 650 on the SAT Verbal or English Achievement Tests, or 60+ on the TSWE, may be *considered* for exemption from Rhetoric 101.

Rhetoric 102, required of all students, focuses on the study and composition of the essay, with special attention to stylistic clarity, vocabulary building, and research techniques.

Each student must pass a proficiency examination in rhetoric at the end of his sophomore year. The examination will be a combination of an objective test and a timed essay, the essays to be evaluated by faculty members drawn from the faculty at large.

A student who performs unsatisfactorily on this examination has the option of taking a short-term course, auditing a freshman rhetoric course, or seeking tutorial assistance. Opportunities for a retest will be provided, and a student may not begin his senior year (seventh semester) until he has satisfied this proficiency requirement.

This requirement applies equally to all students, whether transfer students or not.

Students who entered Hampden-Sydney prior to the fall of 1978 and who have not satisfied the English composition proficiency requirement will be allowed to do so by successfully completing Rhetoric 101.

Students who successfully completed English 105 will be allowed to take Rhetoric 102 for graduation credit hours but not distribution credit hours.

THE ADVISING SYSTEM AND MAJORS

FACULTY ADVISORS

Advisors are assigned to incoming freshmen upon admission. The educational goals of the student as well as his vocational and avocational interests provide the basis for the selection of his advisor. Each student is urged to consult with his advisor before registering for classes each semester and whenever an academic problem or opportunity warrants the need of counsel.

In the spring of the sophomore year, each student must declare his major or area of concentration, and is assigned to his major department for subsequent advising. Later, during the spring semester, each sophomore is asked to consult with his advisor and plan a coherent program for the junior and senior years. The advisor may give guidance to the student in the choice of graduate or vocational opportunities.

MAJORS

A student may elect to major in any one of the following disciplines or groups of disciplines:

Biology	Latin
Biochemistry	Management Economics
Biophysics	Mathematics
Chemistry	Mathematics and
Chemical Physics	Computer Science
Classical Studies	Mathematics and
Economics	Natural Science
Economics with	Philosophy
Mathematics	Physics
English	Political Science

French

Greek

Greek and Latin

History

Humanities

The requirements for each of these majors may be found in the section on Course Descriptions.

Psychology

Religion

Religion and Philosophy

Spanish

REQUIREMENTS FOR THE BACHELOR'S DEGREE

It is solely the responsibility of the candidate for graduation to make sure he meets all of the stated requirements for the degree.

Every student who completes the following requirements in ten or fewer semesters will receive a Bachelor of Arts degree, or for a student majoring in the natural sciences who requests it, a Bachelor of Science degree.

PROFICIENCY REQUIREMENTS

Proficiency in Rhetoric and in a foreign language at the 200 level; each proficiency is to be demonstrated either by examination or by course work (i.e., two 3-hour semester courses in Rhetoric; two semester courses in a foreign language at the 200 level, or one 3-hour course at the 300 level).

DISTRIBUTION REQUIREMENTS

Successful completion of six courses (each of three semester hours credit) in four departments in the Humanities, and three courses (each of three or four semester hours credit) in two departments in both the Social and the Natural Sciences. In addition, one of the courses in the Natural Sciences must include, or be taken with, a related laboratory course. Neither courses taken to satisfy proficiency requirements nor courses taken in the department of the major may be used to satisfy the distribution requirement. For this purpose the departments in the various divisions are:

Humanities

(18 hours; 4 departments)

Classics, English, Fine Arts, Modern Languages, Philosophy, Religion, Western Man

Social Sciences

(9 hours; 2 departments)

Economics, History, Political Science, Psychology (including Sociology)

Natural Sciences

(10-12 hours; minimum of 1 lab course; 2 departments)
Biology, Chemistry, Mathematics, Physics

CREDIT HOURS REQUIREMENT

Successful completion of enough course work to total 123 semester hours of credit. The semester hour of credit is authorized for a class which meets 50 minutes per week for the semester or for the laboratory which meets two and one-half hours per week for the semester.

MAJOR REQUIREMENT

Successful completion of the courses required to qualify for a major in the department or area of specialization.

RESIDENCE REQUIREMENT

A minimum residence of two academic years, including the last year preceding graduation. A minimum of sixty hours of credit (of the 123 hours required for graduation) must be earned in courses taught at Hampden-Sydney. Following termination of the last semester of residence a student may receive no more than eight semester hours of credit for work done elsewhere.

QUALITY REQUIREMENT

A grade point average of 2.0 (C) on work taken at Hampden-Sydney and in cooperative programs, or 123 hours of C work or better, at least sixty hours of which must be earned in courses taught at Hampden-Sydney. The grade point average is calculated by dividing the total quality units earned at Hampden-Sydney and in cooperative programs by the total hours attempted.

REQUIREMENTS FOR A SECOND BACHELOR'S DEGREE

Anyone who has earned a bachelor's degree at Hampden-Sydney or elsewhere may seek to earn a second bachelor's degree at Hampden-Sydney. The candidate for the second degree must be cleared by the regular admissions process. Granting of the second degree requires the completion of two semesters of residence at Hampden-Sydney and of at least 30 hours of academic credit during that period. In addition, fulfillment of the present core requirements through courses taken in the original four-year program and/or courses taken in the fifth year, and similarly the fulfillment of the course requirements for an academic major distinct from the major of the original bachelor's degree, are required. The student's proposed fifth year program must also be approved for overall coherence and quality by the Dean of the Faculty and the chairman of the major department.

ACADEMIC REGULATIONS

Academic rules, regulations, practices and procedures are fundamental to the total educational program at Hampden-Sydney College. Each student who enrolls at Hampden-Sydney is expected to become familiar with the regulations and practices set forth in the following section.

GRADES AND QUALITY POINTS

Course work is evaluated in the following terms:

Grades		Quality Points per semester hour
A	Excellent	4
A-	.....	3.7
B+	.....	3.3
B	Good	3
B-	.....	2.7
C+	.....	2.3
C	Fair	2
C-	.....	1.7
D+	.....	1.3
D	Poor	1
E	Failure, may continue*	0
F	Failure	0
WF	Withdrew Failing	0
W	Withdrew	0
I	Incomplete	0

*This grade is given only for the first semester of continuing (0-6) courses. If a student receives the grade of E, he may continue in the following semester of that course. If the grade for the second semester is passing, the student will not be required to repeat the work of the first semester, and the graduation requirement of the whole course will be fulfilled. No hours of credit will be given for the semester which bears the grade of E.

SATISFACTORY PROGRESS

A student who at the end of any semester has an accumulated grade point ratio below 2.00 or who has fewer accumulated hours than listed below is not making satisfactory progress toward a degree:

Semester	1	2	3	4	5	6	7
Hours	14	28	43	58	73	89	105

PROBATION FOR ACADEMIC REASONS

A student who at the end of any semester has completed fewer semester hours and/or has a grade point average

below those listed below is placed on academic probation. A student on academic probation is required to enter the Study Skills Program as a condition of continuing enrollment in the College.

Minimum Single Semester's Record

Effective Semester in College	1	2	3	4 or more
Hours	8	8	12	12
Grade-Point Ratio	1.2	1.3	1.4	1.5

Minimum Accumulated Record

Effective Semester in College	1	2	3	4 or more
Grade-Point Ratio	1.2	1.6	1.8	2.0

SUSPENSION FOR ACADEMIC REASONS

1. A student who is not off probation at the end of any probationary semester is suspended from enrollment, subject to review by the Executive Committee of the Faculty.
2. In addition, any student who receives a grade of E or F in 50%, or more, of the hours he has attempted in any one semester is suspended from enrollment.
3. A student who returns to Hampden-Sydney after an academic suspension or other absence and whose academic record justifies his being on probation at the time of his return will be placed on academic probation.
4. The semester standing of a transfer student with respect to academic probation regulations will be determined by the sum of hours transferred from other institutions and hours attempted at Hampden-Sydney.

READMISSION STATEMENT

If a student is dismissed from the College for academic, honor, or disciplinary causes or if he should withdraw voluntarily, he must make formal application for readmission. His application will be considered by the admissions committee, which will review his entire academic and citizenship record while at

Hampden-Sydney (and in some cases his secondary school record) as well as his activities during the period of his separation from the College. Each decision is made on an individual basis, and the admissions committee is in no way obligated to readmit any student no matter what the circumstances of his withdrawal or the terms of his suspension. Although students often discuss their chances of readmission with faculty, staff, and friends of the College, no one can at the time of separation guarantee the decision of the admissions committee regarding readmission.

CLASS ATTENDANCE

Since a college education is given direction by the work of the classroom, class attendance is essential. Professors inform their classes at the beginning of each semester what attendance is expected in each course. Students who find it necessary to miss classes for a number of days should inform the Dean of Students. Students who find it necessary to leave the campus for medical reasons are expected to consult with the College physician. Absences for medical reasons require a written statement from the attending physician.

FRESHMAN REGISTRATION

Each new student will register for first semester courses during orientation. Prior to registration, however, he will meet with his faculty advisor to review his course selections. If necessary, changes may be made in his selections before classes begin.

COURSE LOAD REGULATIONS

1. Every student needs to carry a normal course load of 15-16 hours each semester in order to make satisfactory progress towards the 123 hours required for graduation.
2. Every student must carry a minimum course load of twelve hours each semester. To take fewer than twelve hours, the student must receive the permission of his advisor and the Dean of the Faculty.
3. No student may take more than nineteen hours in any semester.
4. A student hopelessly deficient in one subject may, with the permission of the instructor, advisor, and the Registrar, drop that course. The grade for the semester will be recorded as WF.
5. Courses may not be added after the first week of classes in any semester.
6. Courses may be dropped without penalty only during the first four weeks of classes in any semester and then only with the permission of the advisor and the instructor. A fee of \$5.00 will be charged students for each course dropped during this period.

Note: These course regulations may be modified by action of the Executive Committee of the Faculty.

EXAMINATIONS

Examinations are held at the end of each semester. A charge of \$5.00 payable to the Business Office, is made for special examinations.

RE-EXAMINATIONS (SPRING SEMESTER ONLY)

Seniors who were doing passing work in a course prior to examination week their final Spring semester but who fail the final examination may, upon the recommendation of the professor concerned and the approval of the Dean of the Faculty, be granted a re-examination. The re-examination stands in lieu of the regular examination and must be averaged with all other grades used in the computation of the final grade, which in no case may be higher than a D.

GRADE REPORTING

At the end of each semester a grade report is sent to the parent or guardian of each dependent student. Once during the first semester and once during the second semester, reports of unsatisfactory progress in specific courses are similarly sent.

INCOMPLETES

Grades of Incomplete (I) must be removed no later than three weeks following the end of the semester or the grade automatically becomes an F.

DEAN'S LIST

The Dean's List is composed of those students who receive a grade point ratio of at least 3.3 for fifteen hours or more of work in any given semester.

GRADUATION WITH HONORS

Graduation with honors shall be according to the following requirements:

summa cum laude
a grade point ratio of 3.7
magna cum laude
a grade point ratio of 3.5
cum laude
a grade point ratio of 3.3

TRANSFER CREDIT

A student transferring college credit from another institution must have earned a grade of C or better for

each course accepted for credit. No quality points are given.

Credits are allowed only for courses which are equivalent to those available at Hampden-Sydney and which are not being presented toward a degree at any other institution. No credit will be given for correspondence courses.

SUMMER SCHOOL CREDIT

Subject to departmental approval, hours earned for courses taken in summer school at a four-year accredited institution are accepted if the grade earned was C or higher. The grade and hours earned are entered on the student's transcript, but no quality points are given and the grade point ratio is unaffected.

WITHDRAWAL FROM COLLEGE

Any student who withdraws from the College must have the approval of the Dean of the Faculty and the Dean of

Students. A student resigning on or after December 1 of the first semester or April 1 of the second semester will receive a grade of WF in all courses. He is not ordinarily eligible to return the next semester.

EXCLUSION FROM COLLEGE

The College authorities reserve the right to exclude at any time a student whose conduct or academic standing they regard as unacceptable; in such a case fees will not be refunded or remitted, in whole or in part.

LEARNING DISABILITIES

Every student is expected to complete the academic requirements for graduation. However, if a student has a learning disability which might hamper his academic progress, this must be called to the attention of the Dean of the Faculty as soon as the student enrolls. Appropriate documentation will be required at that time.

ACADEMIC CALENDAR 1979-80

First Semester, 1979

August

- 24 – Friday – Freshmen and transfer students report
- 27 – Monday – All other students report
- 28 – Tuesday – Classes begin

September

- 4 – Tuesday – Last day of Add Period
- 25 – Tuesday – Last day of Drop Period

October

- 5 – Friday – Fall break begins after classes
- 10 – Wednesday – Classes resume
- 26 – Friday – Deficiency reports due in Registrar's Office

November

- 21 – Wednesday – Thanksgiving break begins after classes
- 26 – Monday – Classes resume

December

- 14 – Friday – Last day of classes
- 15 – Saturday – Study day
- 17 – Monday – First day of Exams
- 21 – Friday – Last day of Exams

Second Semester, 1980

January

- 8 – Tuesday – All students report
- 9 – Wednesday – Classes begin
- 16 – Wednesday – Last day of Add Period

February

- 6 – Wednesday – Last day of Drop Period
- 29 – Friday – Deficiency reports due in Registrar's Office

March

- 14 – Friday – Spring break begins after classes
- 24 – Monday – Classes resume

April

- 29 – Tuesday – Last day of Classes
- 30 – Wednesday – Study day

May

- 1 – Thursday – First day of Exams
- 6 – Tuesday – Last day of Exams
- 11 – Sunday – Graduation

ADMISSIONS REQUIREMENTS AND PROCEDURES

The secondary school academic record has the single most important influence on the admissions decision. Prospective students are expected to have mastered a solid, demanding academic program before coming to Hampden-Sydney, including at least four units of English, two units of one foreign language, two units of algebra, one unit of geometry, one unit of biology, chemistry, or physics, and one unit of social science. In addition, a third unit of foreign language and a fourth unit of math are recommended. Scores of the Scholastic Aptitude Test and English and Math Achievement Tests of the College Entrance Examination Board (all three of which should be taken by January of the senior year) are also significant, as are the recommendations of secondary school guidance counselors and teachers. Personal qualifications and contributions to school and community are carefully weighed. It is recommended that students seeking admission to the College stand *at least* in the top half of their high school class and score 500 *or better* on both the verbal and math sections of the Scholastic Aptitude Test.

Hampden-Sydney does not discriminate against applicants on the basis of race, creed, national origin, or physical handicaps. Entering freshmen who have completed advanced work in secondary school or present satisfactory grades on the Advanced Placement Examinations of the College Entrance Examination Board, or other appropriate evidence, may receive credit toward graduation and may be placed in courses above the introductory level. In all cases, decisions regarding advanced placement and credit are made by the departments involved.

Qualified transfer students desiring to enter in August should apply by June 1; those interested in second semester admission should apply by December 1. A student from another institution must have earned grades above the minimum passing mark in all courses which he presents for transfer. The College will deny admission to a transfer applicant if he is ineligible to return to the college from which he wishes to transfer.

With an A.A. degree from an accredited community or junior college and a 3.0 (B) or higher grade average, a student is normally admissible to the College with junior standing and can be credited with the completion of sixty semester hours of courses toward graduation. Credit may be given for course work similar to that offered by Hampden-Sydney from an accredited institution; however, no credit will be allowed for work taken elsewhere if the student earns credit for equivalent work at Hampden-Sydney. Community and junior college students who are not A.A. recipients are

welcome to apply; however, the courses that transfer will be considered individually. Staff members are happy to review a student's transcript and advise him concerning the transfer credits.

A transfer student must meet Hampden-Sydney's proficiency and distribution requirements, either at the community or junior college or after matriculation at the College.

Candidates for admission to the freshman class under the *early decision* plan should file applications by November 1. The early decision candidate agrees to apply only to Hampden-Sydney until he is notified of the College's decision; he agrees to send his completed application, including transcript and SAT and Achievement Test Scores, to the College by November 1 (financial aid applicants must have the Financial Aid Form filed with the College Scholarship Service by November 1, preferably much earlier); he agrees to notify Hampden-Sydney of his decision by the date stated in his acceptance letter; and he must agree not to apply elsewhere after confirming his intention to enroll at Hampden-Sydney. Under the early decision plan, Hampden-Sydney agrees either to accept or defer applicants by November 15. (The deferred applicant then receives thorough, unbiased consideration under the regular plan. The deferred candidate is also free to apply to other colleges.) The College also agrees not to require the accepted applicant to take further admission tests — if he decides to attend the College.

Under the *regular plan*, applications should be submitted in the fall of the senior year. Most students are notified of the admissions decision in late February or early March. The candidate must accept or reject the College's offer by May 1. After March 1 applications can be considered only if openings remain in the class.

Interviews are not required, but applicants are strongly encouraged to visit the campus and the admissions office. Students conduct tours of the campus, and conferences with professors can be arranged. A written or telephone request for an appointment with a member of the admissions staff should be made several days before the visit. The admissions office is located on the second floor of Atkinson Hall, and is open year-round from 8:30 a.m. to 4:30 p.m., Monday through Friday, and on Saturday mornings from 9:00 a.m. until noon.

Inquiries about admission to Hampden-Sydney should be addressed to Mr. John H. Waters III, Director of Admissions, Hampden-Sydney College, Hampden-Sydney, Virginia 23943 (telephone 804-223-4381, ext. 120).

FINANCIAL AID

Applying for financial aid from the College is relatively simple. If you are *not* a resident of Virginia, you need complete only one form — the Financial Aid Form (FAF). For residents of Virginia there is one additional form — the application for the Virginia Tuition Assistance Grant and Loan Program (TAGLP).

The FAF may be obtained after December 1 from one's high school guidance officer or from the Hampden-Sydney financial aid office. It should be completed after January 1 by the applicant or his parents and mailed before February 1 to the College Scholarship Service (CSS). Hampden-Sydney (CSS code number 5291) should be designated as a recipient. If for some reason it is impossible to submit the FAF before the deadline, the financial aid office should be notified immediately.

Every student who applies for financial aid *must* apply for a grant from the Basic Educational Opportunity Grant Program (BEOG). This is done simply by authorizing the CSS, when completing the FAF, to send the reported information to BEOG. Administered by the federal government, BEOG is designed primarily for students who have significant financial need. Awards are up to \$1,600, but the exact amount of a grant depends upon one's level of eligibility.

Virginia residents applying for financial aid *must* complete the College Scholarship Assistance Program (CSAP) information on the FAF and request that a copy be sent to the State Council of Higher Education for Virginia (CSS code number 0068). The CSAP provides grants, based on need, to Virginia residents attending public and private colleges and universities in the state.

In-state residents must also complete a separate application for an award from the Virginia Tuition Assistance Grant and Loan Program (TAGLP). The grant — based on residency, not on need — is available to every *bona fide* resident of Virginia who attends an eligible private college or university in the state. An application may be obtained from the Hampden-Sydney financial aid office; the completed form must be returned to the College prior to June 1. The TAGLP award automatically becomes part of the financial aid award of Virginia residents.

In addition to the regular financial aid program, Hampden-Sydney offers several scholarships, awarded without regard to financial need, which recognize outstanding academic and extracurricular achievement.

The Allan Scholarships are awarded to young men of superior academic achievement and proven qualities of intellectual leadership. Recipients receive four-year stipends of \$1,000 per year or their full financial need plus \$500, whichever is greater.

The Venable Scholars are chosen on the basis of academic excellence and proven qualities of leadership.

Recipients receive four-year stipends of \$1,000 per year or their full financial need plus \$100, whichever is greater.

Patrick Henry Scholars are chosen on the basis of proven qualities of leadership and academic excellence. They receive four-year stipends of \$1,000 per year or their full financial need, whichever is greater.

Moomaw Leaders are chosen on the basis of proven qualities of leadership. Recipients receive four-year stipends of \$500 per year or their full financial need, whichever is greater.

All financial aid awards must be renewed annually. All students are expected to maintain at least a 2.0 (C) grade point average each academic year to retain aid for the next year. Financial assistance may be completely withdrawn if one's citizenship or academic work does not meet the standards of the College. Financial aid consumer information may be obtained from the Director of Financial Aid.

Inquiries concerning financial aid should be addressed to Mr. Thomas H. Shomo, Director of Financial Aid (telephone 804-223-4381).

EXPENSES*

FIXED EXPENSES

Hampden-Sydney does not operate for profit, and expenses are maintained at a minimum consistent with efficiency and high standards. Actual student fees account for approximately 75% of the total cost of the student's education. The remainder is provided by income from endowment and by gifts from the Synod of the Virginias, alumni, friends, and foundations.

Expenses* and costs listed below are composed of certain fixed fees payable to the College, along with several variable expenses.

	1979-80
Comprehensive Fee	\$3,825.00
Room Rent:	
Cushing & Venable	375.00
Room Rent:	
Whitehouse & Hampden	
House Units	475.00
Board	925.00
 Total	 \$5,125.00/\$5,225.00
Special Fees:	
Course Overload (Per Credit Hour)	\$85.00
Damage Deposit	100.00
Late Enrollment	15.00
Graduation Fee	50.00

*The College reserves the right to increase charges without prior notice.

VARIABLE EXPENSES

Each student pays for his own:

Books (approximate cost)	\$175.00
Personal Expenses and Transportation (determined by student and his parents)	525.00
Laboratory Breakage Deposit (for certain courses; returnable except for the actual cost of materials destroyed or consumed).	

Books may be purchased at the College Shop on a cash basis only. Laundry may be arranged through local laundries, or students may use the self-service laundromats on and near campus. Personal expenses involving clothes, travel, entertainment, dues to organizations, and incidentals are subject to personal habits and means.

EXPLANATION OF FEES

The Comprehensive Fee covers tuition, materials required in laboratory courses, medical care in the College infirmary, accident and hospitalization insurance, admission to athletic events held on the campus, the cost to students of student publications, and some other activities. The fee does not cover breakage of College property or the purchase of expendable materials for laboratory courses.

Students who by special permission of the Executive Committee are taking more than 19 hours of course work in a given semester must pay an overload fee per credit hours above 19.

Room rent in the dormitory covers cost of occupancy and use of utilities. Freshmen live in Venable and Cushing Halls and sophomores and upperclassmen in Cushing and Whitehouse Halls and the Hampden House Units.

Each student is responsible to the College for the condition of his room and is expected to report any damage of College property to the Dean of Students. He must pay the costs of repairs or replacement and, depending on the circumstances, may suffer disciplinary action.

In the senior year there is payable by February 1 a graduation fee of \$50.00, which covers cost of diploma and rental of cap and gown for the Commencement functions.

PAYMENT OF FEES

One-half of all charges is payable on or before registration in August; the balance is due on or before registration in January.

If an account is not paid at the time of registration, the College regards the student's account as delinquent unless arrangements satisfactory to the Vice President for Finance have previously been made. A student whose account is delinquent is not entitled to board, room, registration, admission to classes, or issue of transcripts.

In unusual circumstances an extended deferment may be granted by the Vice President for Finance. However, this would involve interest charges of 10% on the balance outstanding.

Checks should be made payable to Hampden-Sydney College and mailed to the Business Office.

RETURN OF FEES

There is no refund of fees, except when the College physician recommends the withdrawal of a student before the middle of a semester for reasons of health. There is no refund of room rent. A refund of unused board is allowed if withdrawal occurs prior to two weeks before the end of a semester.

SCHOLARSHIP PAYMENTS

One-half of the value of a student's financial aid award will be credited against the first semester's charges; the balance will be credited to the student's account for the second semester.

LIFE INSURANCE

The University Life Insurance Plan is available to Hampden-Sydney students on an optional basis. It provides coverage of \$10,000 of annually renewable, convertible term insurance with the Fidelity Bankers Life Insurance Corporation.

ENDOWED SCHOLARSHIPS

Hampden-Sydney College recognizes the importance and the generosity of the contributions of alumni, parents, and friends to the general scholarship endowment. Each of the endowed scholarships listed below produces significant income which supplements the College's financial aid program and is, therefore, individually designated. Endowed scholarships established after July 1, 1979, will not be individually designated unless the capital contribution is \$25,000 or more.

THE FLORENCE J. ABNEY MEMORIAL SCHOLARSHIP was established in 1961 by a gift of Miss Florence J. Abney. Preference is given to students from the State of West Virginia.

THE COLONEL AND MRS. GEORGE E. ADAMSON SCHOLARSHIP was established in 1946 by Colonel Adamson of Washington, D.C., to be given to a member of the senior class on the basis of financial need, character, and promise.

THE ARA SERVICES SCHOLARSHIP FUND was established in 1965 and later supplemented through gifts of ARA Food Services Company.

THE PAUL TULANE ATKINSON MEMORIAL SCHOLARSHIP FUND was established in 1964 by gifts from the late Mr. Carlyle Gee, Class of 1926, of Greensboro, North Carolina, and other friends and alumni of the College in memory of Mr. Atkinson, Treasurer of the College from 1919 to 1957.

THE FRANK C. BEDINGER SCHOLARSHIP was established in 1977 by a gift from the late Frank C. Bedinger '05 of Boydton, Virginia. The scholarship is awarded to pre-law students on the basis of superior academic achievement, outstanding leadership abilities, the promise of potential usefulness, and evidence of financial need. Where no financial need exists, the award will be \$500.

THE GEORGE H. AND MINNIE BRADLEY ALEXANDER SCHOLARSHIP was established under the will of Mr. and Mrs. G. H. Alexander of Norfolk, Virginia, in 1957.

THE LEWIS O. BROWN MEMORIAL SCHOLARSHIP was established in 1973 by Mr. Brown's widow, Mrs. Mary Patsel Brown of Roanoke, Virginia. Roanoke students are given preference.

THE BURROUGHS MEMORIAL SCHOLARSHIPS were established through the will of Mabel C. and Charles F. Burroughs of Norfolk, Virginia. A number of annual scholarships are available to students from the

Tidewater area who are selected by the Norfolk Foundation upon the recommendation of the College. Students should apply directly to The Norfolk Foundation, 406 Royster Building, Norfolk, Virginia 23510.

THE GEORGE EVANS CASKIE MEMORIAL SCHOLARSHIP was established in 1970 by a bequest from Mr. James R. Caskie, in memory of his father.

THE WILLIAM CARROLL CHEWNING, JR. MEMORIAL SCHOLARSHIP was established in 1975 by Mr. William Carroll Chewning, Class of 1941, his family, and friends in memory of his son, a member of the Class of 1967.

THE DONALD L. CORK SCHOLARSHIP was established by gifts to the College from Mr. Donald L. Cork of Charleston, West Virginia, a member of the Class of 1913.

THE EDMUND BAKER DAVENPORT SCHOLARSHIP FUND was established in 1972 by Mrs. Claude R. Davenport, Mr. and Mrs. Claude R. Davenport, Jr., Mr. and Mrs. George L. Fosque, and Mr. and Mrs. Charles C. Chewning. The awards are made in the form of loans which need not be repaid if the student maintains an average of 2.0 or better.

THE DRYDEN-MOREHEAD SCHOLARSHIP was established in 1905 through a bequest under the will of Mrs. Sarah A. Dryden of Putnam County, West Virginia.

THE JESSE BALL duPONT MEMORIAL SCHOLARSHIP FUND was established in 1978 by a gift from the Jesse Ball duPont Religious, Charitable, and Educational Fund of Jacksonville.

THE MISS MARY MARGARET EAST SCHOLARSHIP was established by Mr. David E. East of Raphine, Virginia.

THE FARMVILLE MANUFACTURING COMPANY SCHOLARSHIP was established by the Farmville Manufacturing Company, Farmville, Virginia.

THE FIRST NATIONAL BANK SCHOLARSHIP was established in 1972 by the First National Bank of Farmville, Virginia, to benefit an economics major.

THE THOMAS FLOURNOY SCHOLARSHIP was established in 1961 by Mrs. Sallie T. Flournoy in memory of her husband. The scholarship assists needy students studying for the ministry.

THE FRAYSER SCHOLARSHIP was established in 1954 by a bequest from the estate of Mrs. Anne R. Finch Frayser.

THE DR. BENJAMIN HOBSON FRAYSER SCHOLARSHIP was established in 1945 by Mrs. Anne R. F. Frayser in memory of her son, Dr. Benjamin Hobson Frayser.

THE WILLIAM LUCKE GARLICK MEMORIAL SCHOLARSHIP FUND was established in 1975 by Dr. R. Cecil Garlick, Jr. of Charlottesville, Virginia, in honor of his late brother, who attended Hampden-Sydney in 1920-21. The fund is used to aid students to study in foreign countries.

THE HORACE A. GRAY FAMILY SCHOLARSHIP was established in 1978 by a bequest of Mrs. Pearl F. Gray of Richmond, Virginia.

THE CHARLES CALLAWAY GUTHRIE SCHOLARSHIP was established in 1968 by gifts from Mr. J. Dennett Guthrie and supplemented by gifts from Mr. Charles R. Guthrie in honor of their father.

THE ANNA CARRINGTON HARRISON LEADERSHIP SCHOLARSHIP was established as a memorial to his mother by Mr. Fred N. Harrison of Richmond, Virginia, long time member of the College Board of Trustees. The annual scholarship is designated for a student showing outstanding leadership ability on campus.

THE WARREN W. HOBBIE SCHOLARSHIPS were established in 1959 and later supplemented by gifts from the late Mr. Warren W. Hobbie of Roanoke, Virginia, a former member of the Board of Trustees.

THE RANDALL HOLDEN MEMORIAL SCHOLARSHIP was established through gifts and a bequest of Mr. W. R. Holden of South Hill, Virginia, and later supplemented by a bequest from the estate of Mrs. Eva Holden Johnston.

THE EUGENE C. HURT, JR. AND ANNIE R. HURT SCHOLARSHIP was established in 1966 through a bequest from the will of Mr. E. C. Hurt of Chatham, Virginia. Preference is given to students from Halifax and Pittsylvania Counties.

THE ALBERT SIDNEY AND VIRGINIA PARLETT JOHNSON MEMORIAL LOAN FUND was established in 1966 by a gift of Mr. Robert D. Johnson, Class of 1936. The award, which must be repaid, is given to a deserving upperclassman.

THE WILLIAM ALLEN JOHNS, JR., SCHOLARSHIP FUND was established in 1979 by Dr. William A. and Logan P. Johns in memory of their son, Allen, a member of the Class of 1968. Preference is given to premedical students.

THE EVA Y. JONES SCHOLARSHIP was established in 1958 by the Second Presbyterian Church of Roanoke, Virginia, to be awarded to a Presbyterian student studying for the ministry who is in need of financial assistance.

THE JOHN FRANKLIN KINCAID, JR. MEMORIAL SCHOLARSHIP was established in 1945 by gifts from Mrs. John F. Kincaid, Jr., Mrs. Nan Lin Kincaid, and Mrs. Allie Anderson in memory of Lieutenant Kincaid, USN Medical Corps, who was killed in action of Okinawa in April, 1945. This scholarship is designated for a premedical student of character and ability.

THE LEWIS G. LARUS SCHOLARSHIP was established in 1966 through a gift from the estate of Mr. Lewis G. Larus '38 of Richmond, Virginia, a former member of the Board of Trustees.

THE ALFRED L. LORRAINE, JR. MEMORIAL SCHOLARSHIP was established by gifts from Mr. and Mrs. A. L. Lorraine of Richmond, Virginia, as a memorial to their son who gave his life for his country in World War II.

THE PHILIP LEE LOTZ SCHOLARSHIP was established by the Iota Chapter of Pi Kappa Alpha. The award is made to a deserving member of Pi Kappa Alpha at the choice of the Chapter.

THE MADISON SCHOLARSHIP FUND was established in 1961 through a bequest under the will of Mrs. Janet B. M. Nichols of Petersburg, Virginia, in memory of her first husband, Wilkes Madison.

THE JAMES J. MARSHALL, JR. SCHOLARSHIP FUND was established by gifts from Mr. J. J. Marshall, Jr. of New York City. Mr. Marshall is a member of the Class of 1934.

THE PHILIP W. MCKINNEY SCHOLARSHIP FUND was established in 1964 by a bequest from the estate of Mrs. Frankie McKinney Van Winkle, in honor of her father, Governor Philip W. McKinney, a member of the Class of 1851.

THE BEN AND MAYO MOOMAW SCHOLARSHIP FUND was established by the gifts of Mr. and Mrs. Benjamin Franklin Moomaw of Lynchburg, Virginia.

THE FRED MAY MORTON AND MARY MORTON PLATT SCHOLARSHIP FUND was established in 1963 by a gift from Mrs. Mary Morton Platt of Baltimore, Maryland, in memory of her brother. The fund has been supplemented by gifts from The Theodore H. Barth Foundation.

THE LEE WATKINS MORTON MEMORIAL SCHOLARSHIP was established by gifts from Mr. and Mrs. L. W. Morton, Sr., and their sons, Lee W. Morton, Jr., Judge R. Page Morton, and the Rev. Taylor Morton of Charlotte County, Virginia.

THE WALLACE C. NUNLEY GOLF SCHOLARSHIP was established by Dr. Wallace C. Nunley '44 of Clifton Forge, Virginia, and Dr. Wallace C. Nunley, Jr. '69. The scholarship, which is based on need, is awarded to a member of the Hampden-Sydney golf team after one year's team participation.

THE JOSEPH LEE AND MARGARET EAST NELSON MEMORIAL SCHOLARSHIP FUND was established in 1976 by Mrs. Nelson to provide scholarships for students of known superior academic ability who are in need of financial assistance. Preference in selecting recipients for scholarships will be afforded Virginia students of the Christian faith who have formed a present intention to seek full-time Christian service as ordained ministers or missionaries, or, in the alternative, preference will be afforded students who have formed a desire to enter the teaching profession.

THE ODK LEADERSHIP SCHOLARSHIP was established in 1971 by the Lambda Circle of Omicron Delta Kappa at Hampden-Sydney. The award is made for the freshman year only to an entering student selected by the Circle. Need is not a criterion.

THE TRUMAN ALFRED PARKER SCHOLARSHIPS were established by a bequest from Judith H. M. Parker of LaJolla, California. Students in the premedical program are given preference.

THE WILLIAM T. PUGH MEMORIAL SCHOLARSHIP FUND was established by the Fidelity National Bank of Lynchburg, Virginia, in memory of Dr. Pugh, a member of the Class of 1923 and a former member of the Board of Trustees.

THE READ-LANCASTER MEMORIAL SCHOLARSHIP was established through gifts from Mrs. Edmonia C. L. Metcalf of Charlottesville, Virginia, in memory of her mother, Mrs. Agnes Elizabeth Read Lancaster and her uncles, Mr. Abram Carrington Read and Mr. Isaac Mayo Read. In addition to her immediate family, Mrs. Metcalf specified the scholarship as a memorial in remembrance of the Reads of "Greenfield", Charlotte County, Virginia.

THE TINA RICHARDSON SCHOLARSHIP was established in 1975 by Mrs. A. B. Richardson of Roanoke, Virginia.

THE H. MELVIN ROBERTS MEMORIAL SCHOLARSHIP was established in 1958 by Mrs. H. M. Roberts of Shaker Heights, Ohio, in memory of her husband.

THE CLARENCE B. ROBERTSON MEMORIAL SCHOLARSHIP was established in 1969 by a bequest from Mr. Robertson, a former member of the Board of Trustees.

THE CHARLES FRANCIS ROBINSON EDUCATIONAL FUND was established in 1969 by a bequest from Mr. Robinson's mother, Mrs. Evelyn D. Robinson.

THE PHILIP H. ROPP MEMORIAL SCHOLARSHIP was established by a bequest from Dr. Ropp '30, alumnus and Hurt Professor of English at Hampden-Sydney.

THE MR. AND MRS. HUGH B. SPROUL SCHOLARSHIP was established by a gift of Mr. Hugh B. Sproul of Staunton, Virginia.

THE STAMPS SCHOLARSHIP was established in 1936 by a gift from Mrs. F. S. Royster of Norfolk, Virginia, in memory of her father, Dr. William L. Stamps, and her brothers, Mr. Edward R. Stamps and Dr. Thomas Stamps.

THE GEORGE MAYO TABB MEMORIAL SCHOLARSHIP was established in 1960 through a bequest from the will of Miss Annie Glass Tabb of Staunton, Virginia, in memory of her nephew, Mr. George M. Tabb, a member of the Class of 1926.

THE DR. J. ERNEST THACKER MEMORIAL SCHOLARSHIP FUND was established through gifts from the Second Presbyterian Church of Norfolk, Virginia, in memory of its former pastor. The fund was supplemented in 1955 by a bequest of Ellen C. Hooff.

THE MR. AND MRS. GEORGE C. THOMAS, JR. SCHOLARSHIP FUND was established in 1953 and supplemented in 1973 through gifts from Mr. and Mrs. George C. Thomas, Jr. of New Jersey and Florida.

THE JOSEPH I. TRIPLETT MEMORIAL SCHOLARSHIP was established in 1963 through the will of Mr. Joseph I. Triplett, Jr. of Shepherdstown, West Virginia.

THE ALBERT JAMES TRUITT AND JULIA HARRISON TRUITT MEMORIAL SCHOLARSHIPS were established in 1949 through a bequest from the will of Mrs. Julia E. Truitt of Norfolk, Virginia, and designated for the assistance of students studying for the ministry.

THE ACHILLES L. TYNES SCHOLARSHIPS were established in 1958 by Misses Eliza I. and Frances M. Tynes of Tazewell, Virginia, in memory of their brother, a member of the Class of 1894.

THE RICHARD MORTON VENABLE SCHOLARSHIP FUND was established in 1964 by a gift of Mr. and Mrs. Richard Morton Venable of Charleston, West Virginia. Mr. Venable was a member of the Class of 1920 and a direct descendent of Nathaniel Venable of "Slate Hill", one of Hampden-Sydney's founders and charter trustees.

THE WADDELL-GORDON SCHOLARSHIP FUND was established in 1952 by Mr. James W. Gordon, Jr. of Richmond, Virginia, Class of 1932, as a memorial to Dr. James Waddell (1739-1805), "the blind preacher," and Colonel James Gordon of Lancaster County (1714-1768), leaders in the establishment of the Presbyterian Church in the Colony of Virginia. James Gordon's granddaughter and James Waddell's daughter, Janetta Waddell, was the wife of Archibald Alexander, third president of Hampden-Sydney College. Preference is given to students who plan to attend Union Theological Seminary in Richmond, Virginia.

THE WALLACE-BARNER SCHOLARSHIP was established in 1953 and later supplemented by gifts from Dr. K. K. Wallace of Norfolk, Virginia, and gifts given in memory of Mr. George Barner.

THE WALLACE-BLANTON SCHOLARSHIP was established in 1973 by Miss Ellen Barbour Wallace of Nashville, Tennessee, in memory of her father, Clarence Blair Wallace of the Class of 1880, and John Dielle Blanton of the Class of 1879.

THE J. MEBANE WARD MEMORIAL SCHOLARSHIP was established in 1972 by a bequest from Mr. Ward, Class of 1927.

THE JOSEPH MOSS WHITE AND JOSEPHINE VIRGINIA BROWN WHITE SCHOLARSHIP was established in 1975 by Mr. Joseph W. White, Jr., Mr. James S. White, and Dr. Paul F. White in honor of their parents and supplemented by memorial gifts in honor of Mr. J. M. White.

THE A. D. WITTEN SCHOLARSHIP was established by gifts from Mr. A. D. Witten and Mrs. Cecil Witten Ford of Martinsville, Virginia.

THE JESSIE REAMES YOUNG AND CHARLES REAMES YOUNG SCHOLARSHIP was established by Mr. Fred W. Young, Sr. to benefit Dinwiddie County residents attending Hampden-Sydney.

ANNUAL SCHOLARSHIPS

Hampden-Sydney College recognizes the importance and generosity of the contributions of alumni, parents, and friends to the annual fund. Annual scholarships are not individually designated unless the donor has agreed to a significant annual contribution to be awarded each year over a number of years. For those individually designated annual scholarships established after 1979, the minimum contribution must be \$1000.

THE PRESBYTERIAN CHURCH. In recognition of the historic and continuing ties between Hampden-Sydney and the Presbyterian Church, THE SYNOD OF THE VIRGINIAS provides \$25,000 each year to be used for financial assistance to Presbyterians. The Church thereby supports the College in her commitment to blending sound scholarship with the principles and practices of the Christian faith.

THE NELSON W. COE III MEMORIAL SCHOLARSHIP was established in 1969 by Mr. and Mrs. Charles E. Coe in memory of Mr. Coe's brother. Preference is given to students from Westminster Presbyterian Church in Alexandria, Virginia.

THE H. SPENCER EDMUNDS MEMORIAL SCHOLARSHIP was established in 1950 by the Second Presbyterian Church, Roanoke, Virginia, as a ministerial scholarship in memory of its former pastor, The Reverend Mr. H. Spencer Edmunds.

THE FIRST CONGRESSIONAL DISTRICT (VIRGINIA) SCHOLARSHIP. Through the gifts of U.S. Representative Paul S. Tribble, Jr., Class of 1968, a four-year merit scholarship has been established for a student from the First Congressional District attending Hampden-Sydney College. The scholarship recipient is selected by the College on the basis of superior academic achievement, demonstrated qualities of leadership, and service to school and community. Need is not a criterion for the award. The scholarship carries an annual stipend of \$1,000.

THE WILLIAM FITZGERALD MEMORIAL SCHOLARSHIPS were established in 1968 by St. Giles Presbyterian Church, Richmond, Virginia. Scholarships are awarded to needy and worthy upperclassmen who plan to enter church-related vocations.

THE GEORGE C. "CHIP" FREEMAN III MEMORIAL SCHOLARSHIPS. The scholarships were established in 1974 in memory of George C. "Chip" Freeman III, Hampden-Sydney College Class of 1976, by his parents, Mr. and Mrs. G. C. Freeman, Jr. and his brother, Douglas

M. Freeman, and are funded by the George C. Freeman III Memorial Trust. These four-year scholarships are to be awarded to incoming freshmen athletes (with preference given to wrestling and/or football) interested in pursuing a career in teaching and/or coaching, other youth-oriented work, or full-time Christian service.

THE JAMES BUCKNER MASSEY SCHOLARSHIP. Each year since 1957 a scholarship has been made possible through gifts of Dr. F. M. Ryburn of Lubbock, Texas, in memory of Dr. James B. Massey, long-time professor of Bible at Hampden-Sydney. Preference is to be given to sons of ministers.

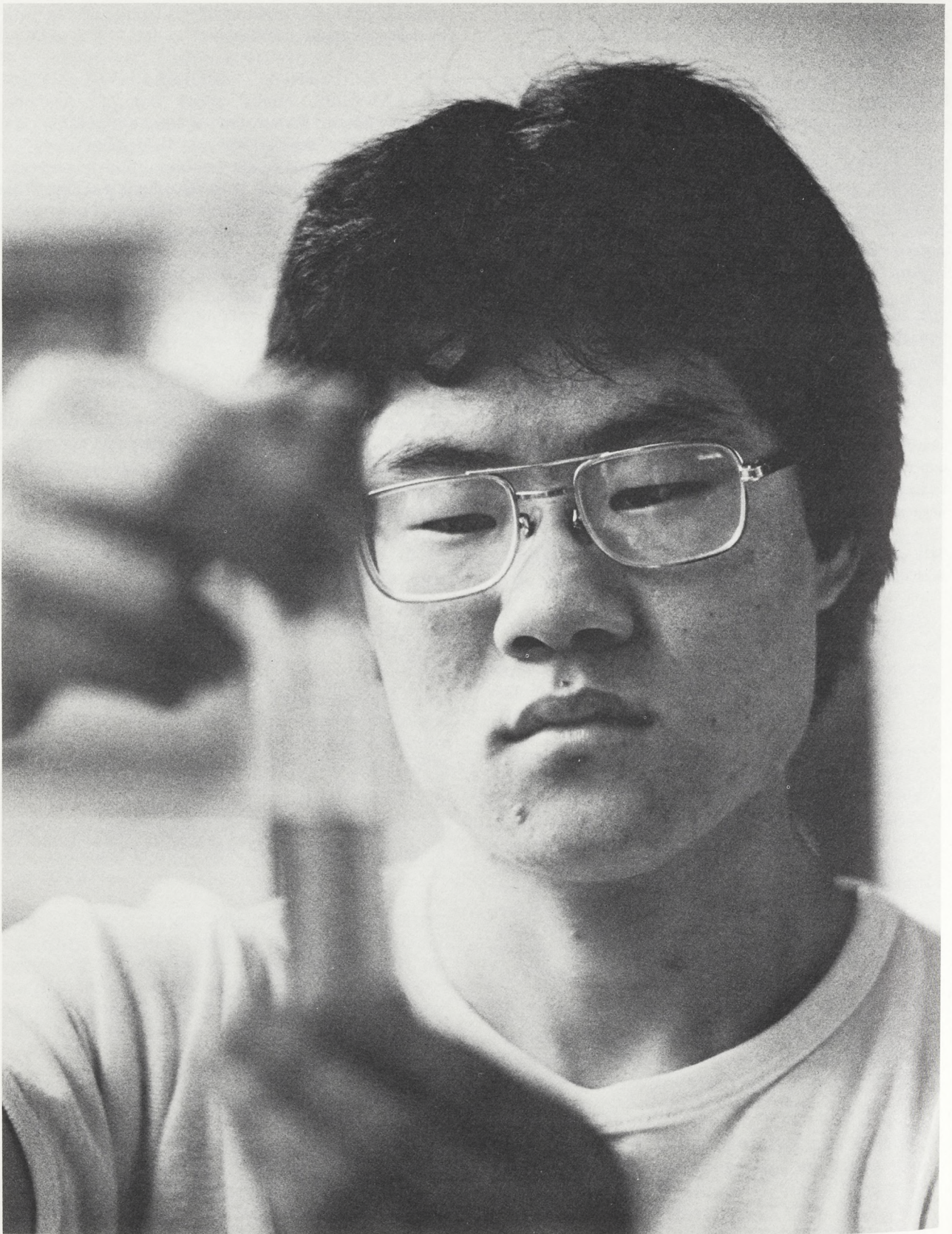
THE MCGUIRE-BOYD SCHOLARSHIP was established through annual gifts since 1965 by Mr. James Nalle Boyd, a member of the Class of 1958, and Mr. John Peyton McGuire Boyd, a member of the Class of 1964, of Richmond, Virginia, in memory of their parents, Mr. and Mrs. John W. Boyd. The scholarship is to be awarded to a deserving sophomore or upperclassman displaying outstanding qualities of character and leadership. Academic and athletic achievement as well as financial need are taken into consideration.

THE MUNOZ PREMEDICAL STUDENT SCHOLARSHIP was established in 1972 by Dr.

Anthony J. Munoz of Farmville, Virginia, to benefit a deserving premedical student.

THE ALGERNON SYDNEY SULLIVAN SCHOLARSHIPS. Annual grants from the Algernon Sydney Sullivan Foundation of New York since 1936 have provided scholarships at Hampden-Sydney in memory of Algernon Sydney Sullivan, founder and first president of the New York Southern Society. The scholarships are awarded to deserving students to stimulate their spiritual development by encouraging their study of the life of Algernon Sydney Sullivan. To that end, each recipient is required to read the biography of Mr. Sullivan and to submit an essay expressing the student's appreciation of life's finer qualities as exemplified by Algernon Sydney Sullivan.

THE THIRD CENTURY SCHOLARSHIPS. Third Century Scholarships are available to residents of Alexandria, Virginia. The scholarships carry four-year stipends of \$1,000. Half is provided by the Alexandria Bicentennial Corporation and half by Hampden-Sydney. Need is not a selection criterion. Recipients are chosen by the Board of Directors of the Alexandria Bicentennial Corporation, and interested students should apply directly to the Corporation at 201 South Washington Street, Alexandria, Virginia 22314.



COURSE OFFERINGS

DIVISIONS OF STUDY

The academic departments and courses of instruction are grouped according to the following three divisions:

HUMANITIES, including the Departments of Classics, English, Fine Arts, Modern Languages, Philosophy, Religion, and Western Man.

NATURAL SCIENCES, including the Departments of Biology, Chemistry, Physics, and Mathematics.

SOCIAL SCIENCES, including the Departments of Economics, History, Political Science, and Psychology.

COURSE CLASSIFICATION

Each course listed in this catalogue has a course number. At the right of this number will be found numerical designations in parentheses which indicate the course length and credits carried by the course. There are three variations. For example: Biology 103 (3) meets for one semester only and carries three semester hours of credit. French 201-202 (3-3) comprises two semesters of work, and the student may take one or both semesters. Greek 101-102 (0-6) comprises two semesters of work. A student must complete both semesters in order to receive credit for the first semester. He must take the first semester course in order to take the second semester. Normally the courses with odd course numbers meet in the fall semester and those with even course numbers meet in the spring semester.

SPECIAL TOPICS AND INDEPENDENT STUDY

The following courses are offered in every department:

485. Special Topics (1, 2, 3 hours).

An organized course providing for study in an area other than one described in the course listings. If the course/topic is offered more than once, it must be approved by the faculty.

490. Directed Reading (1, 2, 3 hours).

Reading related to a particular course or topic in which the student is interested, the reading to be done under the supervision of a faculty member who will assist the student in designing his program.

495. Independent Study (2, 3 hours).

Research project in which the student works independently under the supervision of a faculty member; the project will ordinarily lead to a paper in which the student describes his work and summarizes his findings. For juniors and seniors only.

For reading courses (490) and independent study (495), a written proposal, designating hours credit and describing the subject under investigation and the methods to be utilized, must be approved by the professor supervising the study, the chairman of the department, and the student's faculty adviser. A copy of the approved proposal must be given to the registrar prior to the last day of the add period.

A student may take no more than one 490/495 course per semester.

Ordinarily, a student may take no more than two 490 and two 495 courses during his tenure at Hampden-Sydney. If additional independent work is

desired, the written proposal must be submitted to the Honors Council for approval. Students who wish to do extensive independent work are encouraged to apply for Senior Fellowships and Honors Major Fellowships.

Departments may specify prerequisites and minimal grade points for taking 490 and 495 courses.

BIOLOGY

PROFESSORS CRAWFORD, TURNEY; ASSOCIATE PROFESSORS GEMBORYS, SHEAR; ADJUNCT ASSISTANT PROFESSOR LUND

The diverse preparation necessary for different graduate biology programs in different institutions often necessitates tailoring the undergraduate major to suit the particular needs of the student. All students interested in becoming biology majors are requested to see a representative of the biology department during their freshman year to discuss their future programs of study. The biology major requires a minimum of 33 academic hours in the department and includes Biology 103, Biology 400, at least one zoology course and at least one botany course. A year of chemistry is also required.

Note: Many graduate schools require courses in physics, mathematics through calculus, organic chemistry, statistics, computer science, physical chemistry, and electronics by way of preparation for certain biology majors. The Department of Biology recommends that all students planning to pursue graduate or professional studies in the biological sciences investigate the undergraduate prerequisites for their particular major by the fall semester of their junior year so that they may be incorporated into their undergraduate program.

BIOLOGY 103. (3) *Crawford, Lund, Shear*
GENERAL BIOLOGY. An introduction to biological phenomena that contribute to man's appreciation of himself and his environment. Topics include a study of molecular and Mendelian genetics, evolution, biotic interrelationships, homeostatic phenomena and related physiological mechanisms. This course fills the biology portion of the science requirement for graduation and, unless otherwise specified by the staff, serves as a prerequisite for all other courses in the department. Prerequisite: None. Corequisite: Biology 153. Offered: Fall semester.

BIOLOGY 108. (3) *Gemborys*
ENVIRONMENTAL BIOLOGY. A consideration, based on basic biological concepts, of the processes leading to the degradation of our environment. The course will include discussions of such topics as environmental pollution by pesticides, industrial by-products, radioactive materials, etc., the historical background and future prospects of the population explosion, and the need for preservation of our natural resources. Not open to students who have taken Chemistry 111 or Physics 105. Prerequisite: None. Offered: Each semester.

BIOLOGY 111. (1) *Gemborys*
NATURAL MAN. Readings, discussions and films designed to illustrate the capacity of man to survive in hostile environments and to demonstrate the close ecological balance maintained between primitive man and his environment. Emphasis will be given to early Arctic and Antarctic exploration and to the study of Esquimeaux culture. Readings will include works by Stefansson, Nansen, Amundsen, Scott, Cherry-Garrard, Shackleton and Byrd. Admission by consent of instructor. Prerequisite: None. Offered: Spring semester of odd years.

BIOLOGY 142. (4) *Gemborys*
BOTANY. An introductory study of the anatomy, morphology, taxonomy, physiology, and ecology of plants. In addition, the commercial and medicinal uses of plants will be considered. Two 2½ hour meetings per week, with the laboratory experience integrated within the lecture portion of the course. Prerequisite: None. Offered: Spring semester of odd years.

BIOLOGY 153. (1) *Crawford, Lund, Shear*
LABORATORY IN GENERAL BIOLOGY. A laboratory course meeting once a week for three hours. The purpose of this course is to acquaint students with some living organisms and to introduce them to the values and limitations of scientific inquiry. This course is to be taken by all students enrolled in Biology 103. Only students enrolled in or who have successfully completed Biology 103 are eligible for enrollment in this course. Prerequisite or Corequisite: Biology 103. Offered: Fall semester.

BIOLOGY 158. (1) *Gemborys*
LABORATORY IN ENVIRONMENTAL BIOLOGY. A laboratory experience designed to demonstrate the interactions between plants and animals and their environment and to acquaint the non-science-oriented student with techniques and methods used in the measurement of environmental parameters. Consideration will be given to such topics as the thermal and chemical stratification of lakes and ponds and how this phenomenon affects aquatic organisms; a comparison of the chemical and physical characteristics of natural and polluted streams; the effects of logging and fire in local forest ecosystems; and the study of the population dynamics and behavior of confined populations of small mammals. Prerequisite or Corequisite: Biology 108. Offered: Fall semester.

BIOLOGY 207. (2) *Crawford*
SEMINAR ON THE GREAT BIOLOGISTS. A study of the lives and classical contributions of the most significant figures in the history of biology. The chief criterion used in selecting the subjects is their effect upon subsequent thought and development in the life

sciences. This seminar requires extensive biographical reading. Admission by consent of instructor. Two three-hour meetings per month. Prerequisites: Biology 103 and 153. Offered: On sufficient demand.

BIOLOGY 215. (4)

Lund

CYTOLOGY. Cytology is an introduction to cells in terms of structure and function. Major emphasis in lecture sessions includes descriptions of cell organelles and their functions, the mechanics of cell division including somatic, meiotic and endomitotic divisions, and basic cytogenetics. Structure of differentiated cells is considered in relation to the function of various animal and plant tissues. Students will examine professionally prepared material as well as slides of their own making in the laboratory. Students are involved in techniques in cytogenetics and histochemistry utilizing animal and plant material. Three lecture sessions, one laboratory period per week. Enrollment limited to 20. Prerequisite: Biology 103. Corequisite: None. Offered: Spring semester.

BIOLOGY 220. (4)

Shear

MICROBIOLOGY. Morphology, physiology, systematics and ecology of micro-organisms, with major emphasis on the bacteria. Two lectures and two labs per week. Prerequisites: Biology 103 and 153. Offered: Spring semester.

BIOLOGY 232. (4)

Crawford

PARASITOLOGY. The biology of animal parasites - their history, life cycles, host relationships, modes of infection, transmission, and pathogenicity. Laboratory exercises will include work on prepared slides and the examination of living parasitic forms when possible. Students will be required to prepare some permanent slide mounts from living parasites. Three lectures and one laboratory period per week. Prerequisite: Biology 103. Offered: Spring semester of even years.

BIOLOGY 241. (4)

Shear

INVERTEBRATE ZOOLOGY. An intensive study of the taxonomy, morphology, physiology and ecology of the invertebrates. The phylogenetic origin of the organ-system is studied in relation to basic adaptive patterns. Biochemical, embryological, morphological and physiological similarities and dissimilarities are observed. Representative species from the major phyla are studied in the laboratory. Three lectures and one lab per week. Prerequisites: Biology 103 and 153. Offered: Fall semester of even years.

BIOLOGY 243. (4)

Shear

ENTOMOLOGY. An intensive study of the insects as representatives of the Phylum *Arthropoda*. Lecture topics will include insect physiology and behavior, insect morphology and classification, social insects, methods of

insect control, and insect ecology. Laboratories will consist primarily of work on the local insect fauna. A collection will be required and will form a major part of the student's grade. Prerequisites: Biology 103 and 153. Offered: Fall semester of odd years.

BIOLOGY 250. (3)

Turney

BIOETHICS. Examines the growing field of problems lying at the interface between advancing technological expertise in the health fields and the related moral and ethical problems which are being raised by such advances. An attempt will be made to place man in his proper biological perspective and to provide students with the mental tools and outlooks with which they can make intelligent judgments in bioethical matters and then live with their decisions. No lab. Prerequisite: None. Offered: Spring short term.

BIOLOGY 253 - 254. (4-1)

Gemborys

PLANT COMMUNITIES. A consideration of the interrelationships between plants and their environment with the main emphasis being on the synecological rather than the autecological relationships. These relationships will be observed through study of the major plant communities of Virginia. Emphasis will be placed on the role of succession and environment in the development of plant associations. Three lectures and one laboratory per week, first semester; one laboratory per week, second semester. The work in the second semester will consist of directed study of a problem of interest to the student and will be based on the principles and methods studied in the first semester. Prerequisites: Biology 103 and 153. Offered: 253 in the fall of odd years; 254 in the spring of even years.

BIOLOGY 260. (4)

Gemborys

TROPICAL BIOLOGY. A consideration of the biology of plants and animals, including man, living in a tropical environment. Special emphasis will be given to the study of the structure and function of a typical coral reef and to the study of the ecology, physiology, and taxonomy of other locally important marine forms. Course presented on the Hampden-Sydney campus and at a tropical marine biology laboratory. Prerequisite: Permission of the instructor. Offered: Spring short term on sufficient demand.

BIOLOGY 270. (4)

Gemborys

ECOSYSTEMS OF THE MIDATLANTIC AND NORTHEASTERN UNITED STATES. A survey of the significant vegetation types of the Eastern United States, ranging from the Longleaf Pine Forests of Virginia to the Alpine Tundra Formations of New Hampshire. Consideration will also be given to the effects of climatic, geologic and edaphic influences on the development of these ecosystems. Quantitative methods of vegetation sampling and statistical techniques will be

employed. Duration: 3 weeks. Prerequisite: None. Offered: Spring short term on sufficient demand.

BIOLOGY 311. (4) *Turney*
GENETICS. Principles of heredity and variation as developed from the morphological, physiological, and biochemical levels of gene action. Three lectures and one laboratory per week. Prerequisites: Biology 103 and 153. Offered: Fall semester.

BIOLOGY 314. (3) *Shear*
EVOLUTIONARY THEORY. An introduction to evolutionary thinking and the modern synthetic theory. Basic population phenomena, speciation, evolutionary trends, and the origins of life will be discussed as well as the history of evolutionary theory and the influence of its major contributors. Prerequisite: Biology 311. Offered: Spring semester of odd years.

BIOLOGY 320. (3) *Crawford*
HISTOLOGY. A study of normal tissues of the vertebrate organism with emphasis on mammalian histology. Routine preparations of the four basic tissue types will be studied in detail. The primary concern is the description of microscopic structure and organization of tissues and organs. Another concern is the functions of tissues as integral components of organs, for it is mainly from function that structure derives meaning. Emphasis will be placed on the fact that understanding of tissue structures depends on a knowledge of the manner in which they differentiate ontogenetically as well as phylogenetically. This course does not include the preparation of slides. Prerequisite: Biology 103. Offered: Spring short term.

BIOLOGY 321. (5) *Crawford*
DEVELOPMENTAL BIOLOGY. Principles of embryology involving physiological, biochemical, and genetic influences on differentiation of cells and tissues with emphasis on the origin of vertebrate organ systems. Three lectures and two laboratories per week. Prerequisites: Biology 103 and 153. Offered: Fall semester.

BIOLOGY 322. (5) *Crawford*
COMPARATIVE VERTEBRATE ANATOMY. Comparative functional morphology and evolution of organs and organ systems in chordate animals. Major emphasis is placed on gross anatomy of the mammal. Studies of vertebrate tissues are included. Three lectures and two laboratories per week. Prerequisite: Biology 321 or consent of instructor. Offered: Spring semester.

BIOLOGY 331. (4) *Turney*
BIOCHEMISTRY-MOLECULAR BIOLOGY. A structural and functional study of the cell with emphasis on the biochemical and ultrastructural aspects of cell

metabolism. Laboratory exercises include problems in protein fingerprinting, enzyme kinetics, enzyme isolation, measurement, electrophoresis, ion-exchange chromatography, and spectrophotometry. Three lectures and one laboratory per week. Prerequisite: Biology 103 and 153; Prerequisite or Corequisite: Chemistry 201-202. Offered: Fall semester.

BIOLOGY 332. (3) *Turney*
CELL PHYSIOLOGY. A treatment of the major elements of cell physiology including cell growth and division, differentiation, irritability, contractility, active transport and cellular respiration. This course is usually taken in conjunction with Biology 334. Prerequisites: Biology 103 and 153. Offered: Spring semester.

BIOLOGY 334. (1) *Turney*
ADVANCED BIOCHEMISTRY. A laboratory course investigating the problems of enzyme purification, intermediary metabolism and protein synthesis. The exercises involve refinements of the techniques learned in Biology 331 with some additional work utilizing manometric techniques, differential centrifugation, and radioactive tracers. Prerequisite: Biology 331. Offered: Spring semester.

BIOLOGY 342. (4) *Gemborys*
PLANT PHYSIOLOGY. A consideration of the fundamental life processes of plants including photosynthesis, water relations, growth regulators, photoperiodic responses, and mineral nutrition. Primary emphasis placed on laboratory work. Two lectures, two laboratories per week. Prerequisites: Biology 103 and 153; Chemistry 101-102, 151-152. Offered: Spring semester of odd years.

BIOLOGY 376. (4) *Gemborys*
MARINE BIOLOGY AND OCEANOGRAPHY. A study of the physical, chemical and biological characteristics of the world's oceans, shorelines, and estuaries. The laboratory experience is designed to give the student firsthand knowledge of the methods used in studying marine organisms and environments. It will include regular assigned exercises as well as an independent study project. Field trips will be made. Admission by consent of instructor. Prerequisite: Biology 241 or 253. Offered: Spring semester of even years.

BIOLOGY 382. (4) *Shear*
ANIMAL BEHAVIOR. A survey of the major approaches to the study of animal behavior, especially those which emphasize the adaptiveness of behavior and its evolution. Lecture topics will include structure and physiology of nervous systems, orientation and navigation, relations among and between species, reproductive behavior, conflict resolution, and social

behavior. Laboratories will consist of self-paced projects involving a wide variety of animal forms. Prerequisite: Biology 103 and 153. Offered: Spring semester of even years.

BIOLOGY 400. (4)

Turney

GENERAL BIOLOGICAL SCIENCE. An integrated approach to molecular, evolutionary, physiological, anatomical, ecological and homeostatic phenomena of living systems, with some attention to contemporary problems. This course is designed to complete the 8 hour requirement in general biology for all biology majors and, where applicable, for majors in related fields. Open only to seniors; however, juniors may take the course with the chairman's permission. Prerequisites: Biology 103 and 153. Offered: Spring semester.

CHEMISTRY

PROFESSORS PORTERFIELD, SMITH, ASSOCIATE PROFESSORS SIPE, THOMPSON

The requirements for a major in Chemistry are:

1. All courses from the techniques track and the following courses from the concepts track: 101-102, 201-202, 301-302, and 401-402, plus two chemistry electives, one to be chosen from Group A and one from Group B:
 Group A: 311 (Biochemistry), 318 (Medicinal Chemistry), or 485 (Special Topics, 3 hours)
 Group B: 322 (Descriptive and Industrial Chemistry), 411 (Advanced Physical Chemistry), or 412 (Advanced Inorganic Chemistry).
 To receive the American Chemical Society's certified degree, one elective must be Chemistry 412, Advanced Inorganic Chemistry.
2. Satisfactory completion of Mathematics 101-102, Physics 111-112, and Physics 151-152.

CONCEPTS TRACK

CHEMISTRY 101-102. (3-3)

Porterfield,

Sipe, Thompson

CHEMICAL CONCEPTS. A survey of the basic concepts of physical chemistry as a foundation for systematic study of descriptive chemistry. Some mathematical facility desirable. Prerequisites: None for 101; 101 prerequisite to 102. Corequisites: Chemistry 151 and 152 corequisite to 101 and 102, respectively. Offered: 101 in the fall semester; 102 in the spring semester.

CHEMISTRY 111. (3)

Sipe

CHEMICAL CONCEPTS IN A TECHNOLOGICAL SOCIETY. A topical study of the impact of the chemical practices of our technological culture on our environment, with a concurrent examination of the philosophical basis on which scientific judgments can be soundly formed in societal applications. This course is

intended for students with primary interests outside the sciences, and will not satisfy prerequisite requirements for any other chemistry course. Prerequisite: None. Corequisite: None. Chemistry 151 laboratory may be taken concurrently or in a later semester if desired. Offered: Spring semester.

CHEMISTRY 201-202. (3-3)

Smith

ORGANIC CHEMISTRY. An integrated study of the aliphatic and aromatic compounds of carbon with emphasis on reaction mechanisms, stereochemistry, and conformational analysis. Prerequisites: Chemistry 101-102. Corequisites: Chemistry 251-252 or 251-262. Offered: 201 in the fall semester; 202 in the spring semester.

CHEMISTRY 301-302. (3-3)

Sipe

PHYSICAL CHEMISTRY. The principles of chemical thermodynamics, electrochemistry, introductory quantum mechanics, statistical mechanics, and kinetics are developed and used to explain selected chemical phenomena. Prerequisites: for Chemistry 301, Chemistry 102, Mathematics 102. Corequisite: Physics 111. For Chemistry 302, Chemistry 301 is prerequisite. Offered: 301 in the fall semester, 302 in the spring semester.

CHEMISTRY 311. (3)

Smith

BIOCHEMISTRY. The following classes of compounds are studied with emphasis upon structure and conformation and with emphasis decreasing in the order given: proteins, nucleic acids, carbohydrates, and lipids. The most important metabolic pathways are studied with respect to reaction mechanisms, dynamics, and energetics. Prerequisites: Chemistry 201-202. Offered: Fall semester.

CHEMISTRY 318. (3)

Smith

MEDICINAL CHEMISTRY. Introduction to medicinal chemistry with consideration of the design, synthesis, and mode of action of pharmacologically active compounds. Major areas of medicinal compounds discussed include central nervous system agents, anticancer agents, antibiotics, etc. Prerequisite: Chemistry 202 or consent of the instructor. Offered: Spring semester.

CHEMISTRY 322. (3)

Porterfield

DESCRIPTIVE AND INDUSTRIAL INORGANIC CHEMISTRY. A survey of the chemistry of the elements: their natural occurrence, extractive methods, laboratory reactions and uses, and commercial and industrial uses with some economic interpretation of the latter. Some attention will be given to the abundance and exhaustion of resources, and to ways in which current and future chemical research can alleviate expected scarcities. Prerequisites: Chemistry 101-102. Offered: Fall semester.

CHEMISTRY 401-402. (3-3) *Thompson*
CHEMICAL INSTRUMENTATION AND ANALYSIS. Principles of instrumental chemical analysis. Topics include: basic concepts of electronics, spectroscopic, electrochemical, mass spectrometric, radiochemical, optical, chromatographic, x-ray, and hydrodynamic methods of analysis. Prerequisites: Chemistry 302 or consent of the instructor. Offered: 401 in the fall semester; 402 in the spring semester.

CHEMISTRY 411. (3) *Sipe*
PHYSICAL CHEMISTRY III. Theory of molecular structure determination by dispersive and absorptive applications of electromagnetic radiation. Application of advanced theoretical calculations of molecular electronic structure. Prerequisite: Chemistry 302 or consent of the instructor. Offered: Fall semester.

CHEMISTRY 412. (3) *Porterfield*
ADVANCED INORGANIC CHEMISTRY. Basic theoretical concepts of inorganic chemistry as applied to the principles of inorganic synthesis, and introductory organometallic and bioinorganic topics. Prerequisite: Chemistry 301 or consent of the instructor. Corequisite: Chemistry 302. Offered: Spring semester.

TECHNIQUES TRACK

CHEMISTRY 151-152. (1-1) *Porterfield*
TECHNIQUES OF CHEMISTRY. A series of four open-ended projects that require independent use of library and laboratory facilities, including quantitative analysis. Breakage deposit: \$12.00. Prerequisites: None for 151. 151 is prerequisite to 152. Corequisites: Chemistry 101 or 111 for 151, Chemistry 102 for 152. Offered: 151 in the fall semester; 152 in the spring semester.

CHEMISTRY 251-252. (1-1) *Smith*
ANALYTICAL-ORGANIC TECHNIQUES. A series of open-ended, individualized projects involving the synthesis of organic and organometallic compounds and analysis by such techniques as spectroscopy, chromatography, and conventional and potentiometric titration. Breakage deposit: \$15.00. Prerequisites: Chemistry 102, 152. Corequisites: Chemistry 201-202. Offered: 251 in the fall semester; 252 in the spring semester.

CHEMISTRY 351-352. (2-2) *Sipe*
PHYSICAL MEASUREMENT TECHNIQUES. A series of open-ended projects involving the accurate determination and interpretation of selected physical and chemical properties. Breakage deposit: \$15.00. Prerequisites: Chemistry 252 or 262 for 351; Chemistry 351 for 352; or consent of the instructor. Offered: 351 in the fall semester; 352 in the spring semester.

CHEMISTRY 451-452. (2-2) *Thompson*
MEASUREMENT TECHNIQUES. A series of open-ended projects involving chemical analysis and structure determination by instrumental methods. Breakage deposit: \$15.00. Prerequisite: Chemistry 352. Corequisite: Chemistry 401. Offered: 451 in the fall semester; 452 in the spring semester.

CLASSICS

PROFESSOR EMERITUS THOMPSON; ASSOCIATE PROFESSORS BRINKLEY, TUCKER; ASSISTANT PROFESSOR ARIETI

The requirements for a major in Greek are at least 18 hours in Greek above the elementary level, of which 12 hours must be in courses at the 300 level or above; Philosophy 301; History 301, 302; Fine Arts 201. The requirements for a major in Latin are at least 18 hours in Latin above the elementary level, of which 12 hours must be in courses at the 300 level or above; Philosophy 301; History 301, 302; Fine Arts 201.

A concentration in Greek and Latin will require at least 12 hours in each language, including six hours in one at the 300 level or above; Philosophy 301; Fine Arts 201; History 301, 302.

The requirements for a major in Classical Studies are at least 6 hours of Greek or Latin above the elementary level and 24 hours to be selected from the following: courses in the Greek and Latin languages and in Classical Studies; Philosophy 301; History 301, 302; Fine Arts 201. None of the thirty hours taken to satisfy the requirements for this major may be used in the Humanities portion of the distribution requirement.

GREEK

GREEK 101-102. (0-6) *Brinkley*
ELEMENTARY GREEK. This course advances the student rapidly into the reading of classical and New Testament Greek texts by combining a uniquely ordered study of forms, vocabulary, and syntax with carefully chosen illustrative reading material, which consists almost entirely of authentic passages from ancient texts. Considerable attention is given to developing sound appreciation of Greek cultural values by exhaustive study of significant vocabulary. Emphasis is given to the development of the student's command of English grammar, diction, and vocabulary by comparative and contrastive exercises. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

GREEK 201-202. (0-6) *Brinkley*
INTERMEDIATE GREEK. Reading and analysis of selections from Greek prose and verse, and a continuing study of grammar and vocabulary. Prerequisite, Greek 101-102. Offered: 201 in the Fall semester; 202 in the Spring semester.

GREEK 301. (3) *Brinkley*
THE GREEK NEW TESTAMENT. Passages from the Synoptic Gospels and *Acts* are read, and a survey of the

peculiarities of *koine* Greek is made. Attention will be given to textual problems, especially those which have theological implications. Prerequisites: Greek 201-202. Offered: on sufficient demand.

GREEK 302. (3) *Brinkley*
GREEK DRAMA. Representative plays of Aeschylus, Sophocles, Euripides, or Aristophanes will be read and discussed as dramatic pieces and in their relation to the origin of tragedy and comedy and the development of the theatre. Prerequisites: Greek 201-202. Offered: On sufficient demand.

GREEK 303-304. (3-3) *Brinkley*
GREEK HISTORIANS. Selections from the major historians will be read, with emphasis on developing the student's capacity to read Greek prose and on his appreciation of the writers' contributions to Western historiography. Some parallel reading in English is required. Prerequisite: Greek 201-202. It is suggested that the student have had or be enrolled in History 301 before taking these courses. Offered: on sufficient demand.

GREEK 305-308. (3 each semester) *Staff*
ADVANCED GREEK. The reading and discussion of selected works of Greek literature, chosen according to the needs of the class. Among authors that may be selected are Homer, Plato, Plutarch, Lucian, and the Athenian orators. Prerequisites: Greek 201-202. Offered: On sufficient demand.

LATIN

LATIN 101-102. (0-6) *Tucker*
INTRODUCTION TO LATIN. This course is designed for students with no previous experience with Latin. The text is written for adults; the sentences and drill exercises in forms and syntax are based on classical authors. Considerable emphasis is placed on expanding the student's vocabulary and grasp of language structure. Prerequisite: None. Offered: 101 in the fall semester; 102 in the spring semester.

LATIN 201-202. (3-3) *Arieti*
First Semester: Ovid. Selections from Ovid's *Ars Amatoria* will be read, preceded by a review of Latin fundamentals. Prerequisite: Two entrance units of Latin, or Latin 101-102.

Second Semester: Vergil. Selections from the *Aeneid*. Prerequisite: Latin 201 or equivalent. Offered: 201 in the fall semester; 202 in the spring semester.

LATIN 203-204. (3-3) *Tucker*
LATIN PROSE. Selections from the works of Latin prose writers will be read, preceded by a review of Latin

fundamentals. Among works which may be read are the speeches and letters of Cicero, the historical works of Caesar and Livy, and the letters of Pliny, as well as the writings of Medieval Latin authors. Prerequisites: Two entrance units of Latin, or Latin 101-102. Offered: 203 in the fall semester; 204 in the spring semester.

LATIN 301-302. (3-3) *Thompson*
LATIN LITERATURE OF THE REPUBLIC. Reading matter will be chosen from the comedies of Plautus and Terence, the essays of Cicero, the *De Rerum Natura* of Lucretius, and the poems of Catullus. Prerequisites: Three entrance units in Latin, Latin 201-202, or Latin 203-204. Offered: 301 in the fall semester of odd years; 302 in the spring semester of even years.

LATIN 303-304. (3-3) *Tucker*
LATIN LITERATURE OF THE EMPIRE. Reading matter will be chosen from Livy, Horace, Seneca, Petronius, Martial, Tacitus, and Pliny. Prerequisites: Three entrance units in Latin, Latin 201-202, or Latin 203-204. Offered: 303 in the fall semester of even years; 304 in the spring semester of odd years.

LATIN 401-408. (3 each semester) *Staff*
ADVANCED READINGS IN LATIN LITERATURE. The courses will be devoted to intensive study of individual authors such as Lucretius, Tacitus, Livy, Ovid, Horace, or to literary genres such as Roman satire, elegiac poetry, epistolography, history. Prerequisite: Either Latin 301 or 303, or equivalent. Offered: On sufficient demand.

LATIN 411. (3) *Brinkley*
LATIN COMPOSITION AND GRAMMAR. Prerequisites: Latin 201-202, 203-204 or equivalent. Offered: On sufficient demand.

LATIN 412. (3) *Thompson*
LATIN PALAEOGRAPHY. Prerequisite: Either Latin 301 or 303, or equivalent. Offered: On sufficient demand.

CLASSICAL STUDIES

Courses offered under the rubric of Classical Studies require no knowledge of Latin or Greek.

CLASSICAL STUDIES 201. (3) *Thompson*
ENGLISH ETYMOLOGY. A study of English words as derived from the classical languages. The purpose of the course is to broaden the student's vocabulary through a study of the historical development of an important element of the English language. No prior knowledge of Greek or Latin is presumed. Prerequisite: None. Offered: Each semester.

CLASSICAL STUDIES 202. (3)

Brinkley

CLASSICAL MYTHOLOGY. A comprehensive survey of Greco-Roman mythology, with the aim of providing the student with a working knowledge of a significant element in Western culture and its creative achievements. Readings and lectures cover both the content of the mythology and its linguistic, archaeological, and anthropological significance.

CLASSICAL STUDIES 203. (3)

Tucker

GREEK LITERATURE IN TRANSLATION. Reading and discussion of major works of classical Greek literature. Literary themes and techniques will be considered, as well as the influence of Greek writings on later literature. No knowledge of Greek is required. Prerequisite: None. Offered: Fall semester.

CLASSICAL STUDIES 204. (3)

Tucker

LATIN LITERATURE IN TRANSLATION. Reading and discussion of major works of classical Latin literature. Literary themes and techniques will be considered as well as the influence of Latin writings on later literature. No knowledge of Latin is required. Prerequisite: None. Offered: Spring semester.

HISTORY 301. (3)

Arieti

GREEK HISTORY. An historical survey of the cultural, political, economic, and social aspects of Greek civilization to the time of the late Roman Empire. This course does not assume a knowledge of Greek and will not satisfy any of the language requirements. It carries credit toward a History major. Prerequisite: None. Offered: Fall semester.

HISTORY 302. (3)

Brinkley

ROMAN HISTORY. A comprehensive survey of the rise and decline of Rome as a world-state and as the matrix of subsequent Western civilization. Primary emphasis is placed on the social, political, economic, and diplomatic forces in the evolution of Roman supremacy in the Mediterranean. Special attention is given to the development of the Roman Civil Law and the origin of basic Western legal concepts. This course does not assume a knowledge of Latin and will not satisfy any of the language requirements. It carries credit toward a History major. Prerequisite: None. Offered: Spring semester.

LINGUISTICS 301. (3)

Brinkley

DESCRIPTIVE LINGUISTICS. An introduction to the techniques, findings, and insights of modern linguistics, "the most scientific of the humanities and the most humane of the sciences." Special attention is given to developing analytical appreciation of contemporary American English on which most of the class exercises are based. A general course for all those interested in the nature of language. Prerequisite: Sophomore or higher standing. Offered: On sufficient demand.

LINGUISTICS 302. (3)

Brinkley

HISTORICAL LINGUISTICS. Thorough study of the comparative method of linguistic reconstruction, and of modern views of the nature of linguistic evolution. Each student is required to do practical, independent work in a language of his competence, which may be English. Prerequisite: Linguistics 301 or English 341. Offered: On sufficient demand.

ECONOMICS

ASSOCIATE PROFESSOR HENDLEY*, ASSISTANT PROFESSOR GIBSON; LECTURERS STERN, CHATTERTON; PART-TIME LECTURERS FEINMAN, KRISOFF, REDMOUNT, SHAPIRO

The requirements for all Economics majors are 27 hours in Economics, to include Economics 301 and 303 and Mathematics 103 and 104. Beyond these specific courses, the major has a choice between a concentration in General Economics, taking Economics 401 and 402 (or, in certain cases, 495), or a concentration in Management Economics, taking Economics 421 and 422. Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

ECONOMICS 101. (3)

Staff

INTRODUCTION TO ECONOMICS. A survey of the basic concepts used to analyze economic questions. Prerequisite: None. Offered: Each semester.

ECONOMICS 103. (3)

Feinman

MONEY AND BANKING. Analysis of the fractional reserve banking system, its place in financial markets, and the American economy. The Federal Reserve System and its relation to the banking system are analyzed. Monetary and fiscal policy are examined in the light of Keynesian and Monetarist monetary theory. Prerequisite: Economics 101. Offered: Each semester.

ECONOMICS 201. (3)

Hendley

COMPARATIVE ECONOMIC SYSTEMS. An examination of the major economic systems with emphasis on implications for resource allocation, income distribution, and economic growth. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 205. (3)

Staff

HISTORY OF ECONOMIC THOUGHT. A survey of the development of economics from mercantilism through marginalism. Emphasis will be on the works of the central figures in the evolution of the discipline, including Smith, Ricardo, Mill, Marx, and Marshall. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 208. (3)

Staff

PUBLIC FINANCE. An analysis of the process of

*On Leave, 1979-80.

government decision-making as related to resource allocation and of the effects of governmental budgetary decisions, particularly tax decisions, on individual and business choices. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 209. (3) *Hendley*
TOPICS IN POLITICAL ECONOMY. An adaptation and application of fundamental economic concepts to the analysis of problems such as poverty, education, crime, and professional sports. The topics considered vary from year to year. Prerequisite: Economics 101. Offered: Fall semester. 1980-81.

ECONOMICS 210. (3) *Staff*
ECONOMIC DEVELOPMENT. A study of fact, theory, and policy in underdeveloped economies. Problems of capital formation, population, agriculture, international trade, foreign aid, etc. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 211. (3) *Staff*
LABOR ECONOMICS. In this course the theoretical and institutional organization of the labor market is studied. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 212. (3) *Staff*
ENVIRONMENTAL ECONOMICS. This course examines the economic determinants of environmental change and analyzes the principal remedies proposed for the problems of pollution and environmental degradation. The objective is to give the student an understanding of, and an ability to apply, the fundamental economic concepts relevant to questions of the environment. Case studies will be used to illustrate and require use of the concepts of public goods, externalities, benefit-cost analysis, and government regulation. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 214. (3) *Shapiro*
INTRODUCTION TO INDUSTRIAL ORGANIZATION AND THE ECONOMICS OF ANTI-TRUST. An examination of the structure, conduct and performance of different industries, and an analysis of government anti-trust policies designed to alter or maintain existing market structures. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 220. (3) *Stern*
CORPORATION FINANCE. The financial organization and management of a business corporation. This course includes a study of methods of obtaining capital, financial policy, mergers, reorganization, and liquidation. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 221. (3) *Gibson*
MANAGEMENT ACCOUNTING AND ANALYSIS. Study of the sources, organization and uses of data generated by double-entry accounting. Emphasis will be placed on managerial accounting techniques. Prerequisites: Economics 101 and sophomore standing. Offered: Fall semester.

ECONOMICS 222. (3) *Gibson*
NATURE, MANAGEMENT, AND ENVIRONMENT OF BUSINESS. The role of business in society and the functions of business are considered within the framework of the social system. Prerequisites: Economics 101 and sophomore standing. Offered: Spring semester.

ECONOMICS 260. (3) *Staff*
INTERNATIONAL ECONOMICS. Examination of the basis of international trade, the balance of international payments and adjustment mechanisms. Application of the theory to current problems of international payments and trade. Prerequisite: Economics 101. Offered: On sufficient demand.

ECONOMICS 301. (3) *Staff*
MICROECONOMIC THEORY. A study of the theory of consumer behavior, production, and pricing; comparison of resource allocation in competitive and noncompetitive markets. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 303. (3) *Staff*
MACROECONOMIC THEORY. Analysis of theories applied to the problems of income determination, unemployment, and inflation in modern industrial economies. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 306. (3) *Chatterton*
ELEMENTS OF EMPIRICAL ECONOMICS. A study of the application of statistical analysis to economic problems with a review of basic statistical techniques followed by extensive reading of empirical work in economic literature. Prerequisites: Economics 101 and Mathematics 103. Offered: Spring semester of odd years.

ECONOMICS 308. (3) *Chatterton*
MATHEMATICAL ECONOMICS. Exposition of the mathematical structure of economic theories with particular attention to static and comparative static analysis, game theory, and unconstrained and constrained optimization models. Prerequisites: Economics 301 and Mathematics 101. Offered: Spring semester of even years.

ECONOMICS 401. (3)*Krissoff***SEMINAR IN INTERMEDIATE ECONOMIC THEORY.**

Applications and extensions of intermediate economic theory, both macro and micro. Prerequisites: Economics 301 and 303. Offered: Fall semester.

ECONOMICS 402. (3)*Staff*

SEMINAR IN PUBLIC POLICY ANALYSIS. A seminar designed primarily for senior Economics majors concentrating in General Economics and intended to explore the application of economic analysis to a variety of public-policy issues. Prerequisites: Economics 301 and 401 or permission of the instructor. Offered: Spring semester.

ECONOMICS 421. (3)*Gibson*

MANAGERIAL ECONOMICS. Application of microeconomic decision tools to managerial problems of the firm. The class time will be divided between a discussion of tools to be used and application of those tools. Prerequisite: Economics 301. Offered: Fall semester.

ECONOMICS 422. (3)*Gibson*

SEMINAR IN BUSINESS PROBLEMS. The purpose of this course is to integrate the student's knowledge of the business system. Discussion of problems, independent investigation, and communication of conclusions by the student are emphasized. Prerequisites: Economics 221, 222, and senior standing or permission of the instructor. Offered: Spring semester.

CONCENTRATION IN ECONOMICS WITH MATHEMATICS

The Departments of Economics and Mathematics offer a concentration in Economics with Mathematics for students interested primarily in the quantitative aspects of Economics. The concentration consists of the following courses:

ECONOMICS 101.

ECONOMICS 301, 303.

ECONOMICS 306, 308. Two Elective Courses In Economics.

MATHEMATICS 101-102-103.

MATHEMATICS 201-202.

COMPUTER SCIENCE 221.

With permission of the two departments, a student may substitute within the same discipline for the above courses. A substitution must, however, be consistent with the concentration's objective of a tightly integrated program grounding the student in the mathematical concepts most widely used in Economics, and exploring the areas of Economics best illustrating the application of quantitative techniques.

ENGLISH

PROFESSORS CRAWLEY, SIMPSON; ADJUNCT PROFESSOR BUNTING; ASSOCIATE PROFESSORS BAGBY*, MARTIN; ASSISTANT PROFESSOR SAUNDERS; VISITING ASSISTANT PROFESSOR ALEXANDER; INSTRUCTOR O'GRADY

The requirements for a major in English are 30 hours in English courses above the 100 level, including two semesters each of History of English Literature, Shakespeare, and American Literature; a genre course, a period course, and a single-author course other than Shakespeare. Beyond 201-202, only one course at the 200 level may be applied to the major. Majors are required to take at least one course in British history. At least one course in philosophy and at least two semesters in foreign languages beyond the proficiency requirements are recommended. English courses taken at other institutions and presented for major credit must be approved in writing by the department of English; for current students this approval must be secured in advance, and for transfer and former students it must be secured at entrance.

ENGLISH 201-202. (3-3)*Staff*

THE HISTORY OF ENGLISH LITERATURE. The first semester surveys major authors, works, and literary types from the beginnings through the eighteenth century, including Chaucer, Shakespeare, and Milton; the second semester continues the history to the present day, including Wordsworth, Tennyson, and Eliot. Appropriate critical approaches other than the historical are employed. Prerequisite: None. Offered: 201 in the fall semester; 202 in the spring semester.

ENGLISH 203. (3)*Crawley*

EPIC WRITING IN ENGLISH AND AMERICAN LITERATURE. This study of the epic tradition in English and American literature begins with backward glances at *Beowulf* and *The Faerie Queene* and then proceeds to a careful consideration of Shakespeare's history plays (*Richard II*; *Henry IV, I and II*; *Henry V*; *Richard III*), Milton's *Paradise Lost* and *Paradise Regained* (selected passages), Fielding's *Tom Jones*, Pope's *Rape of the Lock*, Melville's *Moby-Dick*, and Whitman's *Leaves of Grass* (selected passages). Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 204. (3)*Bagby*

AMERICAN NATURE WRITING. This course is a study of selected American works which deal with the relationship between man and the natural world. It is an examination of American attitudes toward the uses of nature—as a source of delight, of ethical wisdom, and of revelation in some larger sense—and the methods by which the individual can prepare himself to receive such benefits. Authors to be considered include Cooper, Emerson, Whitman, Thoreau, Frost, Hemingway and

*On leave 1979-80 (spring semester)

Faulkner. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 205. (3) *Martin*
UTOPIAN LITERATURE. This study of representative accounts of ideal societies and the perfection of man begins with Plato's *Republic* and More's *Utopia* as bases; other readings include works from the classical era to the present, with concentration on American and British literature of the nineteenth and twentieth centuries. Authors to be considered include Howells, Butler, Bellamy, Huxley, and Orwell. Prerequisite: None. Offered: On sufficient demand.

ENGLISH 206. (3) *Martin*
LITERATURE AND YOUTH. This is a study of the *Bildungsroman*, a type of novel recounting the youth and young manhood of a character attempting to learn the nature of the world, discover its meaning and pattern, and acquire a philosophy of life. Readings include works by Joyce, Wolfe, Ellison, Hemingway, Updike, Conrad, and others. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 207. (3) *Staff*
INTRODUCTION TO DRAMA. This course is designed for students interested in understanding plays in the context of an actual performance. Previous theatrical experience is therefore very desirable. Plays to be read will be drawn from various periods and types. Scenes and perhaps even entire plays will be performed, with instruction in the basic elements of play production, but emphasis will fall on interpretation rather than mechanics or technique. Prerequisite: None. Offered: On sufficient demand.

ENGLISH 209. (3) *Simpson*
EUROPEAN SHORT NOVEL IN TRANSLATION. Readings are drawn from such major European novelists of the nineteenth and twentieth centuries as Balzac, Camus, Dostoevsky, Flaubert, Gogol, Hesse, Kafka, Kazantzakis, Lagerkvist, Thomas Mann, Moravia, Sartre, Solzhenitsyn, and Tolstoy. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 210. (3) *Alexander*
INTRODUCTION TO AFRO-AMERICAN LITERATURE. The works of major black American authors are treated historically and critically, with the aim of understanding what "the American experience" has meant to Afro-Americans. Poetry (from Dunbar to Don L. Lee) and fiction (from Toomer to Baldwin) are the main concerns, but some attention is also given to non-fiction prose (from Douglass to Malcolm X). Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 212. (3) *O'Grady*
THE ART OF THE ESSAY. This is a workshop in the craft of modern essay writing. Students will examine classic and experimental essays for technique and content. Emphasis will be placed on individual style, but imitation of selected works will be encouraged. Prerequisite: English 105 or Rhetoric 101-102 and consent of the instructor. Offered: On sufficient demand.

ENGLISH 331. (3) *Crawley*
AMERICAN LITERATURE TO 1865. This is a general study of American literature from colonial times through the Civil War. While attention is given to the milieu, continuity, and development of our literature, the emphasis is upon major figures: Poe, Hawthorne, Melville, Emerson, and Thoreau. Appropriate critical approaches other than the historical are utilized in considering the key works of these authors. Prerequisite: None. Offered: Fall semester.

ENGLISH 332. (3) *Crawley*
AMERICAN LITERATURE SINCE 1865. This is a continuation of English 331, covering the period from the Civil War to the present. Again, attention is given to the milieu, continuity, and development of our literature, with emphasis upon the following major figures: Whitman, Dickinson, Twain, Henry James, Crane, Dreiser, Frost, Eliot, and Faulkner. Appropriate critical approaches other than the historical are utilized in considering the key works of these authors. Prerequisite: None. Offered: Spring semester.

ENGLISH 341. (3) *Brinkley*
HISTORY OF THE ENGLISH LANGUAGE. This is a general introduction to the English language as modern linguistics defines and describes the evolutionary forces that have determined its sound- and form-systems, syntax, and vocabulary. Considerable attention is paid to identifying the diagnostic features of the various phases in the development of the language, to the social and other non-linguistic factors in language development, and to the peculiar history of American English and its dialects. Prerequisite: None, but English 201-202 is strongly recommended. Offered: Fall semester of odd years.

SEE ALSO Classical Studies 201, English Etymology; and Linguistics 301 and 302, Descriptive and Historical Linguistics.

ENGLISH 352. (3) *Martin*
MEDIEVAL ENGLISH LITERATURE. This is a study of Old English and Middle English literature (exclusive of Chaucer), surveying major authors and works, important literary genres, and characteristic human values of the English middle ages. Readings will be in

modern translation; knowledge of Old English and Middle English languages is not required. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 355. (3) *Bagby*
POETRY OF THE ENGLISH RENAISSANCE. A survey of non-dramatic poetry (exclusive of Milton) from the middle of the sixteenth century to the Restoration, concentrating especially on Sidney, Spenser, the major "metaphysical" poets, and Ben Jonson, but including some lesser writers as well. The course studies these poets in their historical and intellectual settings, and considers also the new forces which led to a renaissance in English poetry. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 361. (3) *Saunders*
THE AUGUSTAN AGE. This course is a critical study of the major writers of the eighteenth century, particularly Pope and Swift, and of the central imaginative concerns of the transition from the Renaissance world view to the Romantic and post-Romantic era. There is a concentration on satire, but with some attention also to drama, the novel, lyric poetry, and miscellaneous prose. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 363. (3) *Simpson*
ENGLISH NOVEL. The English novel is studied from its inception with Defoe and Richardson in the eighteenth century to the end of the nineteenth century. Major novelists to be read include Austen, the Bronte sisters, Dickens, Thackeray, and Hardy. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 365. (3) *Bagby*
THE ENGLISH ROMANTICS. The six major Romantics — Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats — are read critically. Primary emphasis is on the poetic vision of each writer, but with some attention also to the continuing struggle of "the Romantic imagination." Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 367. (3) *Saunders*
VICTORIAN LITERATURE. This course will concentrate on the major Victorian poets — Browning, Tennyson, and Arnold — and sample the minor ones. It will examine the prose writings of Carlyle, Darwin, Mill, and Arnold; and it will peek into the prose fiction of at least one significant Victorian novelist — probably Dickens. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 372. (3) *Simpson*
MODERN BRITISH AND AMERICAN NOVEL. Major twentieth-century novelists in English are read, including Conrad, Joyce, D. H. Lawrence, Graham Greene,

Hemingway, Faulkner, and Steinbeck. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 374. (3) *Alexander*
MODERN BRITISH AND AMERICAN POETRY. This is a critical study of major poets of the twentieth century, such as Yeats, Pound, Eliot, Frost, Williams, Stevens, and Hughes; it is intended less as an historical overview than as a close examination of the poetic worlds of the individual writers. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 376. (3) *Simpson*
MODERN DRAMA. American, British, and European plays since 1880 are read. Playwrights may include Ibsen, Strindberg, Chekhov, Shaw, O'Neill, Pirandello, Garcia Lorca, Brecht, Tennessee Williams, and Arthur Miller. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 381. (3) *Martin*
ENGLISH DRAMA. This is a survey of English drama, exclusive of Shakespeare. The nature and origins of drama as a literary genre are studied, with attention to the characteristics of tragedy, comedy, and other types. Readings include representative plays from the medieval, Renaissance, Restoration, neoclassical, Romantic, and Victorian periods. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 384. (3) *Simpson*
THE SHORT STORY. Readings are drawn from American, British, and European short stories, and from criticism and the theory of fiction. Authors might include Poe, Hawthorne, James, Twain, O. Henry, Lardner, Hemingway, and Faulkner; R. L. Stevenson, Saki, Maugham, Mansfield, D. H. Lawrence, and Graham Greene; Maupassant, Chekhov, Pushkin, Balzac, Tolstoy, Kafka, and Thomas Mann. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 391. (3) *Martin*
LITERATURE OF WAR. Major literary works concerning war are studied, with special attention to the ways in which war has occasioned great literature and to such recurring themes as suffering and heroism. Reading is concentrated in works of the nineteenth and twentieth centuries, but includes works of ancient, medieval, and Renaissance periods. Emphasis is on novels of Crane, Hemingway, Mailer, Greene, Heller, Vonnegut. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 400. (3) *Martin*
CHAUCEER. *The Canterbury Tales, Troilus and Criseyde,* and other main poems of Chaucer are studied. Attention is given to the literary and cultural background of Chaucer's works. Most readings are in Middle English,

but prior knowledge of the Middle English language is not required. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 403-404. (3-3) *Simpson*
SHAKESPEARE. The early comedies, histories, and tragedies, the Sonnets *Venus and Adonis* and *The Rape of Lucrece* are treated in first semester. The later histories, the "problem plays," the great tragedies, and the romances are read in second semester. Both courses stress the development of Shakespeare as a literary artist. Prerequisite: None. Offered: 403 in the fall semester; 404 in the spring semester.

ENGLISH 407. (3) *Crawley*
MILTON. This is a study of all of Milton's poetry, with emphasis upon *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes* as a trilogy. Milton's life and his prose are considered insofar as they contribute to an understanding of his thought and poetic achievement. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 411. (3) *Martin*
HEMINGWAY. The major novels, stories, and essays of Ernest Hemingway are read and critically evaluated. The relationship between Hemingway's personal life and the style, subject matter, and heroic code of his fiction is central, but emphasis is on the fiction, not the life. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 414. (3) *Simpson*
FAULKNER SEMINAR. An early novel, the four great novels of his "second period," several significant short stories, and a number of articles and poems are among the readings from Faulkner's work intended to display his diverse talents, multiple themes, and innovative techniques. Prerequisite: Consent of instructor. Offered: Spring semester of odd years.

ENGLISH 420. (3) *Crawley*
LITERARY CRITICISM. This is a study of critical theories from Aristotle to the present, especially of modern trends in criticism, and an introduction to the practice of critical techniques. An attempt is made to arrive at a reasonably comprehensive and synthesizing view of our literary heritage, both English and American. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 431. (3) *O'Grady*
INTRODUCTORY CREATIVE WRITING. This is a workshop in the craft of writing poetry and short fiction. The general approach will be to examine selected short works as models and to present copies of student writing to the class for discussion and criticism. Prerequisite: Consent of the instructor. Offered: Fall semester.

ENGLISH 432. (3) *O'Grady*
ADVANCED CREATIVE WRITING. This is a continuation of English 431 with greater emphasis placed on developing an individual style in a specific genre. This workshop will also focus on writing poetry and short fiction. Prerequisite: Consent of the instructor. Offered: Spring semester.

FINE ARTS

PROFESSOR THOMPSON; ASSOCIATE PROFESSOR BURNHAM

FINE ARTS 103. (3) *Burnham*
INTRODUCTION TO MUSIC LITERATURE. This course examines music in its historical and cultural context through readings, guided listening, audio-visual materials and lecture demonstrations. No special musical knowledge or ability is required. The course is open to all students. Prerequisite: None. Offered: Fall semester.

FINE ARTS 201-202. (3-3) *Thompson*
THE HISTORY OF THE FINE ARTS. This course is designed to promote the enjoyment of the fine arts — painting, architecture, and sculpture. A knowledge of ancient, medieval, and modern history and of ancient and modern languages is useful as background information but is not a requirement. 202 includes a Spring trip to the Washington galleries. Not open to freshmen. Prerequisite: None. Offered: 201 in the Fall semester; 202 in the Spring semester.

FINE ARTS 206. (3) *Thompson*
WESTERN ART OF THE 19TH AND 20TH CENTURIES. The painting, sculpture, and architecture of Europe and the Americas in the modern age. Prerequisite: Fine Arts 202 or equivalent. Offered: On sufficient demand.

FINE ARTS 211-212. (3-3) *Burnham*
MATERIALS, TECHNIQUES AND STRUCTURE OF MUSIC. These courses are designed to aid in the understanding of the fundamentals of music as well as in developing elementary analytical skills followed by application through synthesis (writing and arranging). Among topics to be covered: fundamentals, harmonic functions, counterpoint, small-musical forms, compound forms, sight-reading, keyboard, melodic-rhythmic dictation, and score study. Fine Arts 212 is an advanced continuation of 211. Prerequisite: Fine Arts 103 or permission of the instructor. Offered: Fall and Spring semesters.

FINE ARTS 302. (3)

Burnham

TOPICS IN MUSIC HISTORY. This course will go into considerable depth in the selected topic(s) for the particular semester, i.e., song, instrumental, music, choral music, opera, musical theatre, jazz, etc. The study will be analytical (aural and visual) with some individual research and analysis and several written reports of observations and findings. Prerequisite: Fine Arts 103 and 211 or permission of instructor.

HISTORY

PROFESSOR BLISS; ASSOCIATE PROFESSORS FITCH, HEINEMANN, LAINE, SIMMS

The requirements for a major in History are 33 hours in history courses, including History 101-102 and 500. Of the remaining 24 hours, 9 must be in the field of United States history and 9 in any field outside United States history. In addition, history majors must take any one course (3 hours) in each of the fields of Political Science, Economics, and Philosophy.

All 300 and 400 level courses are open only to juniors and seniors or with the consent of the instructor.

Students are encouraged to develop individualized majors in consultation with a member of the History Department. Such a major would give a student a thorough foundation in history while offering him the opportunity to pursue topics of interest in related disciplines.

HISTORY 101-102. (3-3)

Laine, Simms

WESTERN CIVILIZATION. The study of Western Civilization from the Renaissance and Reformation to the present century, with emphasis on those movements and institutions which have determined the form of the contemporary Western World. History majors must take this course no later than their junior year. It is a natural sequel to Western Man 101-102. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

HISTORY 111-112. (3-3)

Bliss, Fitch

UNITED STATES. The first semester is confined to the period from the establishment of the colonies to the close of the Civil War, with emphasis on the period following 1763, especially the years 1830-1860. The second semester begins with Reconstruction and goes through World War II with emphasis on the rise of progressivism and the New Deal. If time permits, developments in the post-war period will be considered. Prerequisite: None. Offered: 111 in the Fall semester; 112 in the Spring semester.

HISTORY 113. (3)

Heinemann

FRESHMAN SEMINAR IN AMERICAN HISTORY. A seminar investigating a selected topic in American history, utilizing readings, student papers, and class

discussions. Open to freshmen only. Prerequisite: None. Offered: Fall semester.

HISTORY 201-202. (3-3)

Laine

ENGLAND AND THE BRITISH EMPIRE. The origins and growth of English institutions and their spread to other parts of the world. Particular attention is devoted to the English contribution in government and law, to Britain's relations with the rest of the world, and to the rise and decline of her empire. The second semester begins with the Restoration in 1660. Prerequisite: None. Offered: 201 in the Fall semester; 202 in the Spring semester.

HISTORY 203-204. (3-3)

Simms

RUSSIAN HISTORY. The first semester covers the period from the founding of Kievan Russia in the ninth century to the end of Nicholas I's reign in 1855. The second semester carries the story to the present. Prerequisite: Open only to juniors and seniors, or permission of the instructor. Offered: 203 in the Fall semester; 204 in the Spring semester.

HISTORY 205-206. (3-3)

Laine

THE FAR EAST. The impact of the West on East Asia and the resulting response of Asia to the Western invasion. Special emphasis is given to China — the influence of traditional Chinese civilization on surrounding countries, the growth of nationalism in China, the Japanese invasion of China, and the rise to power of the Chinese Communists. Prerequisite: None. Offered: 205 in the Fall semester; 206 in the Spring semester.

HISTORY 211. (3)

Bliss

COLONIAL AMERICA. After a consideration of the motives of English colonization and the actual establishment of the colonies, particular attention is given to the factors shaping the economic, social, and political institutions of colonial America, and to the origins of the Revolution. Prerequisite: None. Offered: Fall semester.

HISTORY 212. (3)

Fitch

THE AGE OF THE AMERICAN REVOLUTION, 1763-1815. A survey which examines the processes which led to the creation of the American Republic. Emphasis is given to the causes of the Revolution and the emergence of American nationalism, the Confederation era, the creation of the Constitution, and the early years of the Republic. Prerequisite: None. Offered: Spring semester.

HISTORY 213-214. (3-3)

Heinemann

CIVIL WAR AND RECONSTRUCTION. The United

States from the War of 1812 to the Compromise of 1877. The first semester studies the origins of the Civil War, emphasizing the themes of nationalism and sectionalism, slavery, abolition, and the breakdown of the political system. The second semester investigates the waging of war, with some attention given to military events, and the efforts to restore the Union. Prerequisite: None. Offered: 213 in the Fall semester; 214 in the Spring semester.

HISTORY 215-216. (3-3) *Heinemann*
MODERN AMERICA. The United States from the end of Reconstruction to the present. The first semester (1877-1916) covers the development of America's industrial revolution, its impact on American life, and the responses of Populist and Progressive reformers to the new order. The themes of domestic reform and foreign involvement dominate the second semester, with emphasis on the Twenties, the New Deal, and the Cold War. Prerequisite: None. Offered: 215 in the Fall semester; 216 in the Spring semester.

HISTORY 280. (3) *Heinemann*
CIVIL WAR FIELD TRIP. A study of the tactics and strategy adopted and the influence of terrain in the eastern theater of the Civil War, with special emphasis on the life of the ordinary soldier as well as the characters of the prominent generals. Following some preliminary reading and classroom work, the class will take a ten day tour of the battlefields in this area, camping out where possible. Prerequisite: None. Offered: Spring short term on sufficient demand.

HISTORY 301. (3) *See Classical Studies.*

HISTORY 302. (3) *See Classical Studies.*

HISTORY 304. (3) *Bliss*
MEDIEVAL CIVILIZATION. From the decline of the Roman Empire to the beginnings of the Modern Age. Emphasis is placed on the rise of feudal institutions, the rise of Christianity and the medieval church, the conflict between papal and secular governments, and the beginnings of nationality. Prerequisite: None. Offered: Spring semester.

HISTORY 305-306. (3-3) *Bliss*
THE TWENTIETH CENTURY WORLD. The first semester is a study of the international scene between 1918 and 1945, with emphasis on conditions leading to the outbreak of World War II. The second semester is essentially concerned with the origins of tensions between East and West blocs, with particular emphasis on developments in the Near East, Africa, and Asia. Prerequisite for 305: None. Prerequisite for 306: History 305. Offered: 305 in the Fall semester; 306 in the Spring semester.

HISTORY 313. (3) *Fitch*
UNITED STATES DIPLOMATIC HISTORY. A survey of America's role in foreign affairs from the formation of the republic to the contemporary period. Emphasis will be given to the nature of American interests and the interplay between ideals and self-interests as America experienced the transition from a small power to great power status. Prerequisite: None. Offered: Fall semester.

HISTORY 315-316. (3-3) *Fitch*
AMERICAN INTELLECTUAL HISTORY. This course provides an intensive examination of ideas in America from the colonial era to the present, dividing around the mid-nineteenth century. Emphasis is given to the development of major patterns of thought in America and the impact of these ideas upon institutions and values. Specific topics will be chosen to illustrate the particular configuration of political, social, economic, religious, and philosophical movements in America. Prerequisite: None. Offered: 315 in the Fall semester; 316 in the Spring semester.

HISTORY 317. (3) *Heinemann*
THE AMERICAN SOUTH. A study of the unique features of the Southern past which have distinguished the region from the rest of the nation. Emphasis is given economic development, the role of race, the role of myth in the making of history, and political leadership. Prerequisite: Offered: Spring semester of even years.

HISTORY 318. (3) *Heinemann*
BLACK AMERICA. A study of the Negro's contribution to American history and culture, both individually and collectively. Emphasis is given to the institutions of slavery and segregation, black leadership, and the black protest movement. Prerequisite: None. Offered: Spring semester of odd years.

HISTORY 406. (3) *Simms*
STUDIES IN MODERN EUROPEAN HISTORY. This course will deal with special topics in Modern European History such as War and Revolution, utilizing outside readings, student papers, and class discussion. Permission of instructor required. Offered: Spring semester.

HISTORY 407. (3) *Laine*
TUDOR AND STUART BRITAIN. An examination of the rulers and major persons from 1485 to 1714 with emphasis on the establishment of the strong Tudor monarchy and the eventual eclipse of the Stuart monarchy by the social and political groups which came to dominate Parliament. Due consideration is given to the intellectual, religious, economic, and social changes which produced the constitutional development. Prerequisites: History 201-202 or permission of instructor. Offered: Spring semester.

HISTORY 408. (3)*Laine*

THE AGE OF HUMANISM AND REFORMATION. A study of the decline of characteristic features of medieval civilization and the rise of modern European institutions, with particular attention to intellectual movements from Dante to Erasmus. Emphasis is given to the origin of Luther's revolt, the course of the Reformation in its different forms, and the development of the Counter-Reformation. Prerequisites: Open to seniors; juniors with permission of instructor. Offered: Fall semester of odd years.

HISTORY 412. (3)*Heinemann*

STUDIES IN TWENTIETH CENTURY AMERICA. A seminar investigating selected topics in Twentieth Century American life and politics, utilizing readings, student papers, and class discussions. Open to juniors and seniors. Prerequisite: None. Offered: Spring semester.

HISTORY 500. (3)*Staff*

SENIOR THESIS. All history majors will be required to write in either term of their senior year a thesis. An exercise in research and advanced composition, the thesis will investigate in detail some historical topic of interest to the student. The student will work under the guidance of a member of the History Department in selecting, researching, and writing his essay. Prerequisite: None. Offered: Each semester.

HUMANITIES**FACULTY OF THE DEPARTMENTS OF CLASSICS, ENGLISH, FINE ARTS, HISTORY, MODERN LANGUAGES, AND PHILOSOPHY**

The requirement for the Humanities major, including the distribution requirement in the Humanities division and the foreign language proficiency requirement, is 60 semester hours' work, as follows:

- | | |
|--------------------------------|-------------------|
| a) English | 12 semester hours |
| 200 level and above | |
| b) Foreign Languages | 18 semester hours |
| 200 level and above | |
| in two languages, | |
| one ancient, one modern | |
| c) Philosophy 301-302 | 6 semester hours |
| d) Fine Arts 201-202 | |
| or 203-204 | 6 semester hours |
| e) History | 9 semester hours |
| Ancient, 3 semester hours | |
| Medieval, 3 semester hours | |
| Additional, 3 semester hours | |
| f) Advanced English, | |
| Foreign Language, | 3 semester hours |
| Philosophy, or thesis | |
| g) Electives in the Humanities | 6 semester hours |

INTERSCIENCE**FACULTY OF THE DEPARTMENTS OF BIOLOGY, CHEMISTRY, MATHEMATICS, AND PHYSICS**

Students may satisfy the requirements for the Interscience Major as well as the Natural Science portion of the distribution requirements by following any one of the several courses of study specified below.

Biochemistry

BIOLOGY: 103-153 (General and Laboratory), 220 (Microbiology), 311 (Genetics), 331 (Biochemistry), 332 (Cell Physiology); either 334 (Advanced Biochemistry) or 222 (Morphogenesis) or 322 (Comparative Vertebrate) or 321 (Developmental) or 342 (Plant Physiology). Total: 24-25 hours.

CHEMISTRY: 101-102-151-152 (Concepts and Laboratory), 201-202-251-252 (Organic), 302 (Physical Chemistry II), 311 (Biochemistry). Total: 22 hours.

OTHER: Physics 111-112-151-152 (General and Laboratory); Mathematics 101 (Introductory Calculus). Total: 12 hours.

Biophysics

BIOLOGY. 103-153 (General and Laboratory), 311 (Genetics), 331 (Biochemistry), 332 (Cell Physiology), either 222 (Morphogenesis) or 220 (Microbiology) or 342 (Plant Physiology). Total: 20-21 hours.

PHYSICS: 111-112-151-152 (General Physics and Laboratory), 215-216-261-262 (Electronic Instrumentation), 213 (Radiation Physics), 311 (Biophysics), 304 (Optics). Total: 24 hours.

OTHER: Chemistry 101-102-151-152 (Concepts and Laboratory); either Chemistry 201-251 (Organic) or Mathematics 101 (Introductory Calculus). Total: 12 hours.

Chemical Physics

CHEMISTRY: 101-102-151-152 (Concepts and Laboratory), 301-302-351-352 (Physical Chemistry and Laboratory), 411 (Physical Chemistry III). Total: 21 hours.

PHYSICS: 111-112-151-152 (General and Laboratory), 201 (Mechanics); either 202 (Electricity and Magnetism) or 215-261 (Electronics); 216-262 (Electronic Instrumentation); either 211 (Computer-based Physics) or 303 (Thermodynamics); 312 (Crystallography). Total: 23 hours.

OTHER: Mathematics 101 (Analysis I), Mathematics 102 (Analysis II), and Computer Science 221 (Introduction to Computing). Total: 11 hours.

Substitutions in the above courses of study may be made with the approval of both department chairmen in the areas of concentration. Such substitutions must not lessen the coherence of the course of study.

Inter-science Programs

Other courses of study involving concentrations in Mathematics and the Natural Sciences must include Mathematics 202 and at least six semester hours in Mathematics at the 300 or 400 level. Programs must include at least 52 semester hours in Mathematics and the Natural Sciences, and meet one of the three following distribution requirements: Either a) 42 hours in Mathematics and Biology combined; or b) 42 hours in Mathematics and Chemistry combined; or c) 42 hours in Mathematics and Physics combined. The course of study must form a coherent program, and must be approved by both department chairmen in the areas of concentration. The planned course of study shall be presented to the Dean of the Faculty at spring pre-registration of the sophomore year. Later substitutions in the course of study may be made with the approval of both department chairmen; such substitutions must not lessen the coherence of the course of study.

INTRODUCTORY HONORS

FACULTY OF THE DIVISIONS OF HUMANITIES, NATURAL SCIENCES, AND SOCIAL SCIENCES

HONORS 101. (3) *Staff*
SEMINAR IN SOCIAL SCIENCES. Consideration of a selected topic designed to introduce students to modes of inquiry and underlying assumptions of a particular discipline. Various disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 102. (3 or 4 hours) *Staff*
SEMINAR IN NATURAL SCIENCES. Consideration of a selected topic designed to introduce students to modes of inquiry and underlying assumptions of a particular discipline. Various disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 103. (3) *Staff*
SEMINAR IN HUMANITIES. Consideration of a selected topic designed to introduce students to modes

of inquiry and underlying assumptions of a particular discipline. Various disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 202. (3) *Staff*
INTERDISCIPLINARY SEMINAR. Consideration of a major issue from the perspectives of the three disciplines introduced in Honors 101, 102, and 103. Various issues considered in subsequent years. Prerequisites: Open to Honors caliber sophomores only; Honors 101, 102, and 103 or special permission of the Honors Council required. Offered: Spring semester.

MATHEMATICS AND COMPUTER SCIENCE

ASSOCIATE PROFESSORS *ESPIGH, GASKINS, SANDERS;* **ASSISTANT PROFESSORS** *BRYCE, FRANKE*

The requirements for a major in mathematics are a minimum of 36 hours in mathematics and computer science, including Mathematics 101, 102, 201, 202, 301, 303, and electives at the 200 level or higher totaling at least 15 semester hours. Of these 15 hours, at most 6 may be in computer science. Subject to prior approval by the department, one 3-hour course, making extensive application of advanced mathematics and chosen from another discipline, may be substituted for one mathematics elective.

The Computer Science Option is for those who plan on doing advanced work in computing, and consists essentially of a major in mathematics supplemented by work in computer science. The recommended courses are Mathematics 101, 102, 201, 202, 301, 303, together with at least one of Mathematics 203, 304, 308, 309, 310, and all of Computer Science 221, 222, 321, 322, 421, 422. Students interested in pursuing this option are advised to consult with the computer science faculty no later than the second semester of their freshman year.

MATHEMATICS 100. (4) *Bryce*
ELEMENTARY FUNCTIONS. Review of selected topics in algebra and analytic geometry. Properties and graphs of algebraic, exponential, logarithmic, and trigonometric functions. This course is designed as a pre-calculus course for those students planning to take calculus who lack sufficient preparation to enter Math 101. (Math 100 may not be used to satisfy the natural sciences distribution requirement.) Prerequisite: None. Offered: Each semester.

MATHEMATICS 101. (4) *Franke, Sanders*
CALCULUS I. Functions, limits, derivative, definite and indefinite integral, plane analytic geometry, vectors. Prerequisite: None. Offered: Each semester.

MATHEMATICS 102. (4) *Sanders, Bryce*
CALCULUS II. Trigonometric, logarithmic, and exponential functions, techniques of integration,

applications of the derivative and integral, underlying theory. Prerequisite: Math 101 or advanced placement examination. Offered: Each semester.

MATHEMATICS 103. (4) *Gaskins*
STATISTICS. Introduction to probability and statistics. Prerequisite: None. Offered: Each semester.

MATHEMATICS 104. (3) *Staff*
MATHEMATICS FOR BUSINESS MANAGEMENT. Modern mathematical concepts and structures applied to business management. Prerequisite: None. Offered: Spring semester.

MATHEMATICS 105. (3) *Sanders*
HISTORY OF MATHEMATICS. The study of the development of mathematical concepts, with an emphasis on the relationship of the mathematics of each age to the prevailing culture. Topics receiving particular attention include the sudden flowering of mathematics as a deductive science in Classical Greece, the invention of analytic geometry, the development of the calculus, and the development of non-Euclidean geometry. Prerequisite: None. Offered: Fall Semester.

MATHEMATICS 201. (3) *Bryce*
LINEAR ALGEBRA. Vector spaces, linear transformations and matrices, inner product spaces. Development of computational tools. Prerequisite: Math 102. Offered: Fall semester.

MATHEMATICS 202. (4) *Staff*
CALCULUS III. Polar coordinates, solid geometry and vectors, partial derivatives, multiple integrals, infinite series. Prerequisite: Math 102 or advanced placement examination. Offered: Spring semester.

MATHEMATICS 203. (4) *Gaskins*
STATISTICAL METHODS. Organizing, conducting, and analyzing experiments with emphasis on data analysis using both parametric and non-parametric methods. Prerequisite: Math 103 or consent of instructor. Offered: Spring semester of odd years.

MATHEMATICS 207. (3) *Bryce*
DIFFERENTIAL EQUATIONS. The study of ordinary differential equations, drawing from such topics as first and second order equations with applications, general linear equations, systems, series solutions, Laplace transform. Prerequisite: Math 202 or consent of professor. Offered: Fall semester of odd years.

MATHEMATICS 301-302. (3-3) *Bryce*
ADVANCED CALCULUS. Topics may include sets, functions, limits, continuity, differentiation, integration, sequences and series, uniform convergence, power series, transformations and their differentials and inverses,

implicit functions, transformations of multiple integrals, line and surface integrals, Fourier series. Development of the theory. Prerequisite: Math 202. Offered: 301 in the Fall semester; 302 in the Spring semester of odd years.

MATHEMATICS 303-304. (3-3) *Sanders*
ALGEBRAIC STRUCTURES. Groups, rings, fields, linear algebra, and selected topics. Prerequisite: Math 201. Offered: 303 in the Fall semester of odd years; 304 in the Spring semester of even years.

MATHEMATICS 305. (3) *Staff*
GEOMETRY. An axiomatic approach to Euclidean geometry and an introduction to non-Euclidean geometries. Prerequisite: Math 102. Offered: Spring semester of even years.

MATHEMATICS 306. (3) *Sanders*
TOPOLOGY. Elementary topological concepts. Prerequisite: Math 301. Offered: Spring semester of odd years.

MATHEMATICS 307. (3) *Staff*
ELEMENTARY NUMBER THEORY. An introduction to the theory of numbers. Prerequisite: Math 102. Offered: Spring semester of even years.

MATHEMATICS 308. (3) *Staff*
NUMERICAL ANALYSIS. Solutions to problems of analysis by numerical methods and the study of error in numerical processes. Prerequisites: Math 201 and Computer Science 221. Offered: Fall semester of odd years.

MATHEMATICS 309. (3) *Bryce*
APPLIED MATHEMATICS. Mathematical models and topics in advanced mathematics with application to the natural and social sciences. Prerequisites: Math 201 and 301. Offered: Spring semester of odd years.

MATHEMATICS 310. (3) *Staff*
PROBABILITY AND STATISTICS. The theory of probability and statistics. Prerequisites: Math 102 and 103. Offered: On sufficient demand.

MATHEMATICS 311. (3) *Sanders*
COMPLEX ANALYSIS. An introduction to the theory of complex functions. Prerequisite: Math 301. Offered: Fall semester of even years.

MATHEMATICS 401-402. (3-3) *Staff*
REAL ANALYSIS. Introduction to the theory of real functions, Lebesgue measure and integration, and related topics. Prerequisites: Math 301 and 302. Offered: On sufficient demand.

COMPUTER SCIENCE COURSES

COMPUTER SCIENCE 121. (3) *Franke*
INTRODUCTION TO ELECTRONIC DATA PROCESSING. A study of the programming methods, logic, and machinery used in modern business programming. Emphasis will be on applications-programming through the Common Business Oriented Language (COBOL). Prerequisite: None. Offered: Fall semester.

COMPUTER SCIENCE 122. (3) *Franke*
ADVANCED COBOL PROGRAMMING. A continuation of Computer Science 121 but with emphasis on disk and tape applications and programming efficiency. A student project will be required. Prerequisite: Computer Science 121. Offered: Spring semester of even years.

COMPUTER SCIENCE 221. (3) *Franke*
INTRODUCTION TO COMPUTING. Discussion of algorithms, programs, and computers. Extensive work in the preparation, running, debugging, and documenting of programs. Discussion of organization and characteristics of hardware and software systems. Prerequisite: None. Offered: Each semester.

COMPUTER SCIENCE 222. (3) *Franke*
ADVANCED FORTRAN PROGRAMMING. A continuation of Computer Science 221 but with emphasis on disk and tape applications and programming efficiency. A student project will be required. Prerequisite: Computer Science 221. Offered: Spring semester.

COMPUTER SCIENCE 321. (3) *Gaskins*
COMPUTERS AND PROGRAMMING. Computer structure with reference to programming applications of the structure. Machine and assembly language programming concepts will be discussed, and exercises illustrating the discussions will be given on available computing systems. Prerequisite: Computer Science 221. Offered: Fall semester of odd years.

COMPUTER SCIENCE 322. (3) *Gaskins*
INTRODUCTION TO INFORMATION STRUCTURES. Selected topics in discrete mathematics to include Boolean algebra, propositional logic, and graph theory. Description of data bases and their structure, sorting and searching of information from files, referencing and processing techniques based on structure. List processing, content addressing, and cross-referencing of files. Prerequisite: Computer Science 222. Offered: Spring semester of even years.

COMPUTER SCIENCE 421. (3) *Gaskins*
PROGRAMMING LANGUAGES. Formal definition of programming languages to include specification of

syntax and semantics. Comparative studies of algorithmic, list processing, string manipulation, simulation, and algebraic manipulation languages. Prerequisite: Computer Science 222. Offered: Fall semester of even years.

COMPUTER SCIENCE 422. (3) *Gaskins*
SYSTEMS PROGRAMMING. Study of construction of software to handle the operation of a computing system. Topics covered include batch processing systems, multiprogramming and multiprocessor systems, and addressing techniques. Prerequisites: Computer Science 321, 322, and 421. Offered: Spring semester of odd years.

MODERN LANGUAGES

PROFESSOR WHITTED; ASSOCIATE PROFESSORS FARRELL, JAGASICH, SILVEIRA*

The requirements for a major in French or Spanish are 18 hours in the language including 301-302 with four courses at the 400 level, and the completion of one of the following cultural or linguistic options: 1) Latin or Greek through the 102 level plus *Descriptive Linguistics* (Classical Studies 301) and *English Etymology* (Classical Studies 201); or 2) a second modern language (French, Spanish, or German) through the 202 level; or 3) six semester courses (not counted toward distribution requirements) in related cultural areas to include Fine Arts, History, Literature, Religion or Philosophy. Majors are encouraged to consider overseas study during their junior year, for which the Garlick Honoraria are offered to support and encourage candidates. Credit for foreign study in language is granted at par with other Hampden-Sydney programs though courses overseas must be approved in advance by the Foreign Study Committee in conjunction with the department concerned and be consonant with Hampden-Sydney curricular philosophy. For a concentration with some other discipline (e.g., Political Science), the student must complete in the language(s) concerned four semester courses at the 400 level.

MODERN LANGUAGE PLACEMENT POLICY

All students are required to demonstrate proficiency in a foreign language, modern or classical. Modern Language Department courses designated for this purpose are 201 and its sequel 202. Students may, of course, take these same courses for credit toward the distribution requirement in Humanities, but they must observe the prerequisites in each case. Proficiency may also be demonstrated by evidence of scores on nationally-recognized normative tests: 85 on the Princeton MB form; 650 on the SAT achievement test; 4 on the Advanced Placement examination. Students without such documentation will be screened and placed tentatively in the appropriate section. Placement may be contested by petition to the Department of Modern Languages, and, although all students are encouraged to enter the highest level possible, those unsure of their preparation may take 101 or 102 or both, but in any event, must take both 201 and 202 to satisfy the Hampden-Sydney language requirement.

*On leave 1979-80 (spring semester)

FRENCH

FRENCH 101-102. (3-3)

Farrell

INTRODUCTION TO FRENCH. Grammar, reading, and drill in pronunciation. Laboratory. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: 101 in the Fall semester; 102 in the Spring semester. Meets four times weekly.

FRENCH 201-202. (3-3)

Farrell

INTERMEDIATE FRENCH. A balanced course with emphasis on reading. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Laboratory. Offered: 201 in the Fall semester; 202 in the Spring semester. Meets four times weekly.

FRENCH 301-302. (3-3)

Farrell

MASTERPIECES OF FRENCH LITERATURE. A survey of French literature from its medieval origins to the present; a thematic presentation with complete, representative works read. Considerable reading. Prerequisite: French 201-202 or equivalent. Offered: 301 in the Fall semester; 302 in the Spring semester meets four times weekly.

FRENCH 307-308. (3-3)

Farrell

MASTERPIECES OF FRENCH LITERATURE (in English). An introduction to world literature of French origin for elective credit in Humanities. Same structure and material as 301-302. Prerequisite: French 201-202 or approval of professor. Offered: When possible.

FRENCH 401. (3)

Farrell

FRENCH THEATER. Survey of French drama from medieval *trope* to *absurde*, in thematic presentation, through theory and criticism. Extensive reading. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Fall semester of even years.

FRENCH 402. (3)

Farrell

ADVANCED FRENCH COMPOSITION. Intensive grammar review in conjunction with preparation of difficult texts; emphasis on essay format and *explication de textes*. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Spring semester of odd years.

FRENCH 403. (3)

Farrell

FRENCH POETRY. Survey of French poetical forms from Middle Ages to Symbolism; examination of the unique character of French verse. Extensive reading. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Fall semester of odd years.

FRENCH 404. (3)

Farrell

FRENCH NOVEL. Seminar course to be conducted

through intensive study of authors and movements; biographic, bibliographic, and critical sources, from the elaboration of early narrative forms through the *nouveau roman*. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Spring semester of even years.

GERMAN

GERMAN 101-102. (3-3)

Jagasic

INTRODUCTION TO GERMAN. A thorough familiarity with the language is developed by constant grammatical drill, composition, and translation. A reasonable amount of simple narrative prose is read. Laboratory. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: 101 in the Fall semester; 102 in the Spring semester.

GERMAN 201-202. (3-3)

Jagasic

INTERMEDIATE GERMAN. A review of grammar will be covered. Oral practice based on readings from various types of material will be emphasized. Elements of composition taught. Students will be encouraged to perform a play as well as report on individual outside reading. Laboratory. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Offered: 201 in the Fall semester; 202 in the Spring semester.

GERMAN 301-302. (3-3)

Jagasic

SURVEY OF GERMAN LITERATURE. The history of German literature from the beginnings to our day, with class reading of selected poetry, prose and drama of the 19th and 20th centuries. Term reports on extensive parallel reading. Prerequisite: German 201-202, or its equivalent. Offered: On sufficient demand.

GERMAN 307-308 (3-3)

Farrell

SURVEY OF GERMAN LITERARY FORMS IN ENGLISH TRANSLATION. First semester will offer study of texts from the Teutonic epic to *Faust*, *Erster Teil*. Second semester will begin with Goethe's *Werther* and continue through Gunther Grass' *Katz und Maus* and the beginning of the Second World War. Emphasis on unique German literary expression. Extensive reading. Does not count toward major. Offered: When possible.

GERMAN 401. (3)

Jagasic

GERMAN THEATRE. Survey of German drama from medieval *Fastnachtsspiel* and *Volksspiel* to the *Absurde* (through the *Burgersatire* and *Horspiele*, in thematic presentation, through theory and criticism. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Fall semester of even years.

GERMAN 402. (3) *Jagasicb*
ADVANCED GERMAN COMPOSITION. Intensive grammar review in conjunction with preparation of difficult texts; vocabulary acquisition and stylistics incorporated in the program. Linguistic approach. Conducted in major language. Prerequisite: German 301-302 or approval of professor. Required of majors. Offered: Spring semester of odd years.

GERMAN 403. (3) *Jagasicb*
GERMAN POETRY. Survey of German poetic forms from Middle Ages to *Symbolismus*; *Spruchdichtung*, *Ballade* and *Klassische Poesie* through *Dichtungstheorie*. Extensive reading. Analysis of thematic and metric variations. Prerequisite: German 301-302 or approval of professor. Required of majors. Offered: Fall semester of odd years.

GERMAN 404. (3) *Jagasicb*
GERMAN NOVEL. Seminar course to be conducted through intensive study of authors and movements; biographic, bibliographic, and critical sources, from the elaboration of early *Erzablliteratur* through the *Roman zwischen Tradition and Wandlung* and *Die Geschichtserzahlung*. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Spring semester of even years.

RUSSIAN

RUSSIAN 101-102. (3-3) *Jagasicb*
INTRODUCTORY RUSSIAN. Basic writing and reading skills are taught. Grammatical concepts are explained and drilled through dictations, translations and elementary conversation. A reasonable amount of narrative prose is read. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: On sufficient demand.

RUSSIAN 201-202. (3-3) *Jagasicb*
INTERMEDIATE RUSSIAN. Advanced grammar to be taught while translating more difficult reading material coupled with advanced conversation. Vocabulary building and active participation are encouraged. Basic composition skills are taught. Songs and poetry used to introduce students to Russian culture and art. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Offered: On sufficient demand.

SPANISH

SPANISH 101-102. (3-3) *Staff*
INTRODUCTION TO SPANISH. The elements of grammar, composition, and pronunciation. Laboratory. Prerequisite for 101: None. Prerequisite for 102: 101 or equivalent. Offered: 101 in the Fall semester; 102 in the Spring semester.

SPANISH 201-202. (3-3) *Staff*
INTERMEDIATE SPANISH. A review of grammar will be covered. Oral practice based on readings from Spanish and Spanish-American writers will be emphasized. Laboratory. Prerequisite for 201: 101-102 or equivalent. Prerequisite for 202: 201. Offered: 201 in the Fall semester; 202 in the Spring semester.

SPANISH 301-302. (3-3) *Whitted*
NINETEENTH AND TWENTIETH CENTURY LITERATURE. A survey course of Spanish literature from the beginning to the present with emphasis on the Nineteenth and Twentieth Centuries. There will be outside readings. Prerequisites: Spanish 201-202, or its equivalent. Offered: 301 in the Fall semester; 302 in the Spring semester.

SPANISH 303-304. (3-3) *Silveira*
SPANISH-AMERICAN CIVILIZATION. A survey of the history and culture of Spanish America. Prerequisites: Spanish 201-202 or approval of the professor. Offered: 303 in the Fall semester of even years; 304 in the Spring semester of odd years.

SPANISH 305-306. (3-3) *Whitted*
SPANISH CIVILIZATION. A survey of the history and culture of Spain. Prerequisites: Spanish 201-202 or approval of the professor. Offered: 305 in the Fall semester of odd years; 306 in the Spring semester of even years.

SPANISH 307-308. (3-3) *Silveira*
ADVANCED SPANISH CONVERSATION AND COMPOSITION. Intensive practice in oral and written usage. Vocabulary-building and participation encouraged. Prerequisites: 201-202 or approval of professor. Offered: 307 in the Fall semester; 308 in the Spring semester.

SPANISH 401-402. (3-3) *Silveira or Whitted*
SPANISH-AMERICAN LITERATURE. The study of Spanish-American literature and civilization from the colonial period to the present day. A part of the course will be devoted to advanced grammar and conversation. Alternates with Spanish 403-404. Prerequisites: Spanish 301-302. Offered: 401 in the Fall semester of odd years; 402 in the Spring semester of even years.

SPANISH 403-404. (3-3) *Silveira or Whitted*
SPANISH LITERATURE BEFORE 1700. This course will survey the development of Spanish literature from its beginning to the eighteenth century. However, most of the work in class will be limited to the study of the Spanish Epic, the Picaresque Novel, Cervantes, and the *Siglo de Oro* drama. Outside readings will be required. Prerequisite: Spanish 301-302. Offered: 403 in the Fall semester of even years; 404 in the Spring semester of odd years.

SPANISH 407. (3) *Silveira*
GOLDEN AGE NOVEL. Prose writers of the Spanish Golden Age with emphasis on Cervantes. Prerequisite: 301-302. Offered: Fall semester of odd years.

SPANISH 408. (3) *Silveira*
GOLDEN AGE DRAMA. A study of the Spanish National Theater. Special attention to the works of Lope de Vega and Calderon. Prerequisite: 301-302. Offered: Spring semester of even years.

PHILOSOPHY

ASSOCIATE PROFESSORS IVERSON, SCHRAG

The requirements for a major in Philosophy are Philosophy 201, 301-302, 303, 308, and an additional 12 hours in Philosophy courses. A joint program in Philosophy and Religion or in Philosophy and another department should have the approval of the chairmen of both departments.

PHILOSOPHY 201. (3) *Iverson*
LOGIC. An introduction to the fundamentals of correct reasoning which includes a study of informal fallacies, the traditional syllogism, and symbolic logic. Prerequisite: None. Offered: Each semester.

PHILOSOPHY 202. (3) *Schrag*
PROBLEMS OF PHILOSOPHY. An introduction to philosophical thinking and argument by consideration of some specific philosophical problems such as free will, the existence of God, the independence of minds and brains, the nature of empirical knowledge and the claims of ethical relativism. Prerequisite: None. Offered: Each semester.

PHILOSOPHY 301-302. (3-3) *301-Iverson; 302-Schrag*
HISTORY OF PHILOSOPHY. A study of the major thinkers of Western thought from the Greeks to the nineteenth century, with attention given to their cultural context. First semester: Classical and Medieval; Second semester: Modern. Prerequisite: None; not open to freshmen. Offered: 301 in the Fall semester; 302 in the Spring semester.

PHILOSOPHY 303. (3) *Schrag*
CONTEMPORARY PHILOSOPHY. PRAGMATISM AND THE ANALYTIC TRADITION. A survey of the major 20th Century American and British philosophers. Prerequisite: Philosophy 202 or Philosophy 302. Offered: Fall semester.

PHILOSOPHY 304. (3) *Schrag*
ETHICS. A consideration of moral justification and the principal ethical theories and their application to some specific moral problems such as drug use, sexual

morality, abortion, discrimination, violence, and business ethics (problems will vary with the semester). Prerequisite: None; not open to freshmen. Offered: Spring semester.

PHILOSOPHY 306. (3) *Schrag*
SOCIAL PHILOSOPHY. An examination of the criteria for formulating and evaluating social institutions and policies; analysis of central concepts such as rights, property, justice, equality and the public good; social problems such as enforcement of morals, distribution of wealth, values of a business society. Prerequisite: Philosophy 304 strongly recommended. Offered: Fall semester.

PHILOSOPHY 307. (3) *Iverson*
PHILOSOPHY OF RELIGION. A study of the major issues and men in contemporary reflection on religion. Prerequisite: 3 hours in Philosophy or Religion courses. Offered: Fall semester.

PHILOSOPHY 308. (3) *Iverson*
CONTEMPORARY PHILOSOPHY: EXISTENTIALISM AND PHENOMENOLOGY. A survey of the major Continental philosophers. Prerequisite: 3 hours in Philosophy. Offered: Spring semester.

PHILOSOPHY 310. (3) *Schrag*
ETHICS OF HEALTH CARE. This course will deal with certain normative ethical and social issues in health care. The course will involve the application of philosophical analysis and value theory to issues of public policy such as the allocation of medical resources and the nature of health care delivery systems and also to specific ethical issues such as human experimentation, behavior-control, abortion and euthanasia. Prerequisite: Consent of the instructor. Offered: Fall semester.

PHILOSOPHY 312. (3) *Staff*
PHILOSOPHY OF SCIENCE. A consideration of the aims, methods and limits of science: including the relationship of empirical data to laws, models, theories, and explanation; the place of ethical considerations in the practice of science; and the use/abuse of scientific evidence in policy decisions. Prerequisite: Philosophy 201 or 202 and at least two laboratory courses in Natural Science. Offered: On sufficient demand.

PHILOSOPHY 380. (3) *Iverson*
MARX AND MARXIST HUMANISM. A survey of some of the basic developments in the philosophical and humanistic ideas in the Marxist tradition. Prerequisite: 3 hours in Philosophy or Political Science. Offered: Spring semester.

PHYSICS

PROFESSORS JOYNER, MAYO; ASSOCIATE PROFESSORS BEARD*, KIESS

The requirements for a major in physics are Physics 111-112, 151-152, plus additional hours to total 32, and Math 101-102.

Students who desire a rigorous mathematical treatment of the fundamentals of physics and who plan graduate work in physics should take Physics 201, 202, 301, 302, 303, 304, 351, 352, 401, 402.

Students who plan to teach or to pursue careers in business or industry involving applications of physical principles should take 103, 104, 211, 213, 215, 216, 261, 262, 304.

PHYSICS 103-104. (0-6) *Beard*
BASIC ELECTRICITY AND ELECTRONICS. The first semester covers basic principles of electrical circuits, and simple transistorized amplifiers and oscillators. The second semester covers practical applications of other important solid-state devices, additional work with transistorized amplifiers, and simple applications of integrated circuits. Applications found in audio and music synthesizer circuits are emphasized. The level of the course is appropriate for the non-science major. Prerequisite: Consent of instructor. Corequisite: Physics 143-144. Offered: 103 in the Fall semester; 104 in the Spring semester.

PHYSICS 108. (4) *Kiess*
METEOROLOGY. An elementary introduction to meteorology, to include properties of the atmosphere and their effects on weather. Measurement of atmospheric properties, weather maps, and weather forecasting will be emphasized. Though some laboratory work will be included in this course, it will not satisfy the laboratory required under the Natural Science portion of the Distribution Requirements. Prerequisite: None. Offered: Fall semester.

PHYSICS 110. (3) *Joyner*
ENERGY AND POWER. A survey of present global energy sources and future possibilities, with qualitative economic analysis. The exploration of novel methods of generating power will be emphasized. Prerequisite: None. Corequisite: Physics 150. Offered: Fall semester.

PHYSICS 111-112. (3-3) *Joyner, Kiess, Mayo*
GENERAL PHYSICS. A survey of classical and modern physics. Elementary calculus is used. A student who is enrolled in Physics 111 must have taken Math 101 or must be taking it concurrently. This sequence of courses is recommended for science majors and students who plan to apply to medical school. Prerequisite: None. Corequisite: Physics 151-152. Offered: 111 in the Fall semester; 112 in the Spring semester.

*On leave 1979-80 (fall semester)

PHYSICS 115. (3) *Mayo*
THE DESCRIPTION AND EXPLANATION OF MOTION. A historical study of the development of the modern understanding of both wave and particle motion beginning with the earliest attempts to describe and explain the motion of celestial objects. Time will be spent considering the nature of the assumptions made and the methods used as well as the nature of the results obtained during this development. Prerequisite: Proficiency with simple algebra and plane geometry. Corequisite: Physics 155. Offered: Fall semester.

PHYSICS 116. (3) *Mayo*
MODERN ASTRONOMY. An examination of topics selected from modern astronomy. Most selections will deal with objects located outside the solar system. Prerequisite: Proficiency with simple algebra and geometry. Corequisite: Physics 156. Offered: Spring semester.

PHYSICS 120. (3) *Beard*
PHYSICS OF MUSIC, MUSICAL INSTRUMENTS, AND HEARING. Topics covered include the following: the physical and acoustical background of music; the reception of musical sounds by the auditory system; factors influencing tone quality; auditorium and room acoustics; production of sound by various musical instruments, electronic synthesizers and audio speaker systems. There is emphasis upon demonstrations and short projects carried out by students. The level of the course is appropriate for the non-science major. Prerequisite: None. Offered: Spring short term.

PHYSICS 121-122. (1-1) *Joyner*
PROBLEMS IN GENERAL PHYSICS. Extended problem solving using calculus. Intended for students majoring in mathematics or science. Prerequisite: None. Offered: 121 in the Fall semester; 122 in the Spring semester.

PHYSICS 143. (1) *Beard*
LABORATORY. Accompaniment for Physics 103. Prerequisite: None. Corequisite: Physics 103. Offered: Fall semester.

PHYSICS 144. (1) *Beard*
LABORATORY. Accompaniment for Physics 104. Prerequisite: None. Corequisite: Physics 104. Offered: Spring semester.

PHYSICS 150. (1) *Joyner*
LABORATORY. Accompaniment for Physics 110. Prerequisite: None. Corequisite: Physics 110. Offered: Fall semester.

PHYSICS 151-152. (1-1) *Kiess*
GENERAL PHYSICS LABORATORY. An experimental

examination of a variety of physical phenomena, along with an introduction to laboratory techniques and procedure. Prerequisite: None. Corequisite: Physics 111-112. Offered: 151 in the Fall semester; 152 in the Spring semester.

PHYSICS 155. (1) *Mayo*
MOTION LABORATORY. Exercises designed to give first-hand experience with the mode of investigation and the questions under investigation at each stage in the developing understanding of motion. Emphasis is placed on the modern concern with obtaining accurate quantitative information of known precision. Corequisite: Physics 115. Offered: Fall semester.

PHYSICS 156. (1) *Mayo*
ASTRONOMY LABORATORY. Includes exercises requiring the identification of stars and constellations as well as the observation of astronomical objects with a telescope. Corequisite: Physics 116. Offered: Spring semester.

PHYSICS 201. (3) *Kiess*
MECHANICS. Particle dynamics is treated with particular emphasis on harmonic motion, motion in a central force field, and the two body problem. Prerequisite: Physics 111. Offered: Fall semester.

PHYSICS 202. (3) *Joyner*
ELECTRICITY AND MAGNETISM. A study of electrostatics, electrodynamics, dielectrics, magnetism; concluding with Maxwell's equations. Prerequisite: Physics 112 and 201. Offered: Spring semester.

PHYSICS 211. (3) *Beard*
COMPUTER-BASED PHYSICS. A topical study of several physical systems, with emphasis upon orbits, trajectories, wave motion and sound. Graphical and video output of results is emphasized. Three recitations per week; individual work substituted as required. The level of the course is appropriate for the non-science major. Prerequisite: None. Offered: Spring semester.

PHYSICS 215-216. (2-2) *Joyner*
PRINCIPLES OF ELECTRONIC INSTRUMENTATION. A study of the basic principles of operation of electronic instruments. Particular attention is devoted to medical applications where appropriate. Prerequisite: None. Corequisite: Physics 261-262. Offered: Spring semester.

PHYSICS 213. (3) *Joyner*
RADIATION PHYSICS. A study of nuclear physics, radioactivity, tracer techniques, medical and biological effects of radiation, and radiation instrumentation. Two lectures and one morning lab. Prerequisite: None. Offered: On demand.

PHYSICS 261-262. (1-1) *Joyner*
BASIC ELECTRONICS LABORATORY. Accompaniment for Physics 215-216. Prerequisite: None. Corequisite: Physics 215-216. Offered: Spring semester.

PHYSICS 301-302. (3-3) *Mayo*
QUANTUM MECHANICS. The physical foundations for the quantum theory are studied. Schroedinger's equation is introduced and used to analyze elementary aspects of the atomic nucleus and the solid state. Prerequisite: Mathematics 201-202; Physics 201-202. Offered: 301 in the Fall semester of odd years; 302 in the Spring semester of even years.

PHYSICS 303. (3) *Kiess*
THERMODYNAMICS AND STATISTICAL PHYSICS. An introduction to kinetic theory and thermodynamics, with a brief survey of statistical mechanics. Prerequisite: None. Offered: Fall semester.

PHYSICS 304. (3) *Kiess*
WAVE PROPERTIES AND OPTICS. Geometrical and physical optics. Prerequisite: None. Offered: Spring semester.

PHYSICS 351-352. (2-2) *Staff*
ADVANCED LABORATORY. A laboratory course designed to acquaint the student with the instruments used in basic physical measurements and with the design of experiments. Prerequisite: None. Offered: 351 in the Fall semester; 352 in the Spring semester.

PHYSICS 401-402. (3-3) *Mayo*
THEORETICAL PHYSICS. Selected topics investigated in depth using sophisticated mathematical techniques; mostly advanced mechanics and electromagnetic field theory. Prerequisite: Physics 201-202 and consent of instructor; Mathematics 201-202. Offered: 401 in the Fall semester of even years; 402 in the Spring semester of odd years.

POLITICAL SCIENCE

PROFESSOR HUBARD; ASSOCIATE PROFESSOR GOLDBERG; ASSISTANT PROFESSORS ADAMS, MARION

The requirements for a major in Political Science are as follows:

A minimum of thirty semester hours in Political Science, eighteen to include Political Science 101, 200, 205; plus six semester hours in American or European history. Students who expect to enter graduate school in Political Science are urged to include economics and philosophy in their undergraduate work. As a general policy, the Department of Political Science strongly recommends that all majors consult frequently with their faculty advisor.

Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

Students desiring to fulfill their distribution requirements in the social sciences by taking courses in Political Science are advised to select from the following: Political Science 101, 102, 200, 205, 310, 311, 312, 410, 430, 431.

POLITICAL SCIENCE 101. (3) *Goldberg, Marion*
THE AMERICAN SYSTEM OF GOVERNMENT. This is a study of the theory and practice of national government in the United States. The constitutional basis of the federal system, the protection of civil liberties and citizenship, and the role of the people in politics are studied with frequent references to leading Supreme Court decisions and other primary sources. Then follows an examination of the structure of the national government and its broadening area of functions and services. Prerequisite: None. Offered: Fall and Spring semesters.

POLITICAL SCIENCE 102. (3) *Marion*
PERENNIAL ISSUES AND PROBLEMS OF THE AMERICAN REGIME. This course examines the enduring problems and issues which reflect and illuminate the distinctive character of the American regime. Among the central topics to be considered are the principles of freedom and equality, federalism, ethics and American politics, representation and the effects of the commercial spirit on the regime. No prerequisites. Offered: Spring semester.

POLITICAL SCIENCE 200. (3) *Adams*
INTRODUCTION TO COMPARATIVE GOVERNMENT. This course will examine and compare modern regimes: liberal democratic regimes, totalitarian regimes of the left and right, and developing nations. The defining characteristics of the political institutions, processes, and ideas of each will be compared. Particular attention will be given to comparison as a method of political inquiry. Prerequisite: Political Science 101 or permission of instructor. Offered: Spring semester.

POLITICAL SCIENCE 205-206. (3-3) *Adams*
INTERNATIONAL RELATIONS. A consideration of the relations among sovereign political communities. In the first semester, the perennial issues of war and peace, diplomacy, and economic relations are examined. The focus is primarily historical and theoretical. The second semester concentrates on the contemporary international system and its major problems. Prerequisite for 206 is Political Science 205 or permission of instructor.

POLITICAL SCIENCE 310. (3) *Goldberg*
EARLY MODERN POLITICAL PHILOSOPHY. This course is an examination of Machiavelli, Hobbes, Locke,

and Rousseau. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Spring semester of even years.

POLITICAL SCIENCE 311. (3) *Goldberg*
MODERN POLITICAL PHILOSOPHY. This course is an examination of political philosophy in the Modern period. Emphasis is placed on Burke, Hegel, Mill, Marx, and Nietzsche. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Fall semester of even years.

POLITICAL SCIENCE 312. (3) *Goldberg*
AMERICAN POLITICAL THOUGHT. A survey of American political ideas and theories from the 17th century to the present, with special emphasis given to the Founding Period. Attention will be given to the writings of such thinkers as Thomas Jefferson, The Federalists, John Marshall, John C. Calhoun, Abraham Lincoln, Frederick Douglass, Oliver Wendell Holmes, Jr., Franklin Delano Roosevelt, and Felix Frankfurter. Prerequisite: None. Offered: Spring semester of odd years.

POLITICAL SCIENCE 320. (3) *Adams*
GOVERNMENT AND POLITICS OF WESTERN EUROPE. This is an examination of the political institutions and processes of Western Europe. Attention will focus on Great Britain, France, the Federal Republic of Germany, and Italy. The underlying theme of the course is the nature of liberal democracy. Prerequisite: Political Science 200 or permission of the instructor. Offered: Fall semester.

POLITICAL SCIENCE 321. (3) *Adams*
COMPARATIVE COMMUNIST SYSTEMS. This is an examination of the regimes which have developed from Marxist-Leninist thought. Attention will focus on the political institutions, political processes, and economic arrangements of the Soviet Union, the People's Republic of China, and Yugoslavia. Prerequisite: Political Science 200 or permission of the instructor. Offered: Spring semester of odd years.

POLITICAL SCIENCE 322. (3) *Adams*
POLITICS OF NONWESTERN COUNTRIES. The political institutions and processes of developing nations will be considered in the light of their socio-cultural background. Particular attention will be given to the problems of change and development in the political, social, and economic spheres. Comparisons will be made with liberal democratic and totalitarian nations. The course may stress one area, such as Southeast Asia or the Middle East, or draw examples from various regions at the discretion of the instructor. Prerequisite: Political Science 200 or permission of the instructor. Offered: Fall semester.

POLITICAL SCIENCE 330. (3) *Marion*
INTRODUCTION TO AMERICAN PUBLIC ADMINISTRATION. This course surveys selected themes pertaining to the principles and processes of American public administration. Topics that will be examined include the history of American public administration; the role of administrative officials in the formulation and execution of public policy; accountability and responsibility in the public sector; the politics of public budgeting; and, administrative discretion and the rule of law. In short, the objective of this course is to introduce the student to the spirit and form of public administration in the American democratic republic. Offered: Fall semester.

POLITICAL SCIENCE 331. (3) *Marion*
PUBLIC POLICY. This course is an examination of the formulation and implementation of public policy. Attention will be given to the presuppositions underlying public policy formulation as well as the relationship of public policy to the fundamental principles of the regime. Various contemporary issues confronting the government will be used to illustrate how policy issues are framed, evaluated, and implemented. Prerequisite: Political Science 101. Offered: Spring semester.

POLITICAL SCIENCE 332. (3) *Goldberg*
THE PRESIDENCY. This is an examination of one of the most powerful offices in the world. Attention will be given to the creation of the American presidency; its historical development; its relations with the Legislature and Judiciary; and an evaluation of its compatibility with democracy. Prerequisite: Political Science 101. Offered: Fall semester.

POLITICAL SCIENCE 333. (3) *Goldberg*
THE AMERICAN LEGISLATURE. This is an examination of the American Congress. Attention will be given to the principles which informed its creation, such as representation and bicameralism, to the legislature's relations with the other two branches of government, and to the contemporary workings of both houses of Congress. Prerequisite: Political Science 101. Offered: Spring semester.

POLITICAL SCIENCE 340. (3) *Adams*
AMERICAN FOREIGN POLICY. An analysis of the national interest, national objectives, and role of the United States in the international community. Included is a study of the decision-making process, the role of the Executive and Legislative branches in the formulation and implementation of foreign policy, and the diplomacy of the United States. Prerequisite: Political Science 101 or 205; or permission of instructor. Offered: Spring semester.

POLITICAL SCIENCE 410. (3) *Goldberg*
CLASSICAL POLITICAL PHILOSOPHY. This course is an examination of Plato and Aristotle and of the classical tradition of political philosophy up to the Middle Ages. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Fall semester of odd years.

POLITICAL SCIENCE 430-431. (3-3) *Hubard, Marion*
AMERICAN CONSTITUTIONAL LAW. This course examines the meaning of the American Constitution and its development through judicial interpretation. The first semester considers the nature of the judicial process, the extent of national power, and the place of the states in the federal system. The second semester examines civil rights and liberties as protected by the original Constitution, the Bill of Rights, and the Fourteenth Amendment. Prerequisite: Political Science 101. Offered: 430 in the Fall semester; 431 in the Spring semester.

POLITICAL SCIENCE 432-433. (3-3) *Hubard*
INTRODUCTORY SURVEY OF LAW. This course is designed to give students (1) an appreciation of the role of law in modern society, (2) an insight into the increasing role of government in the economy, and (3) an understanding of certain principles of law which underlie our free economy and serve as guides to business. Prerequisite: Political Science 101 or Economics 101. Offered: 432 in the Fall semester; 433 in the Spring semester.

POLITICAL SCIENCE 440. (3) *Adams*
INTERNATIONAL LAW AND ORGANIZATION. A study of the legal and organizational structure of the international system and of the processes and forms of international order. Prerequisite: Political Science 205 or permission of the instructor. Offered: On sufficient demand.

POLITICAL SCIENCE 441. (3) *Adams*
SEMINAR IN INTERNATIONAL RELATIONS. An intense examination of critical problems in international relations. Students will engage in a research project. Prerequisite: Political Science 205 or permission of instructor. Offered: Fall semester of even years.

PSYCHOLOGY

PROFESSORS ORTNER, SIMES; ASSOCIATE PROFESSOR DEWOLFE; INSTRUCTOR SEQUIN

A total of thirteen courses in Psychology is required for a major. These courses must include Human Behavior, Quantitative Methods, Experimental Psychology, History and Systems, and at least six additional courses at the 300 or 400 level. (Students may substitute a statistics course taught by the Mathematics department for Quantitative

Methods.) Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

Majors seeking admission to graduate study in Psychology are encouraged to take more than the required number of courses in Psychology and to choose their electives from Biology, Sociology, or Computer Science.

PSYCHOLOGY 201. (3) *Ortner, Simes, DeWolfe*
INTRODUCTION TO HUMAN BEHAVIOR. This course focuses upon those aspects of human behavior which the well-educated citizen might find most directly relevant. Topics include the development, description, and measurement of the normal and abnormal human being, his functioning individually and in groups, and methods of modifying his behavior and attitudes. Prerequisite: None. Offered: Each semester.

PSYCHOLOGY 202. (3) *Ortner*
QUANTITATIVE METHODS. An introduction to statistics employed in Psychology and Sociology. Both descriptive and inferential techniques are discussed, including nonparametric tests of significance and simple correlation. Prerequisite: Psychology 201 or Sociology 201. Offered: Each semester.

PSYCHOLOGY 251. (1) *Ortner*
LABORATORY TO ACCOMPANY PSYCHOLOGY 202. Prerequisite: Psychology 201 or Sociology 201. Corequisite: Psychology 202. Not offered 1979-80.

PSYCHOLOGY 301. (4) *Sequin*
EXPERIMENTAL PSYCHOLOGY. The experimental method and its application to such psychological processes as sensation, perception, motivation, and learning. Emphasis will be given to theory formulation, experimental design, and research techniques. Corequisite: Psychology 351. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 302. (3) *Simes*
PSYCHOLOGICAL TESTS AND MEASUREMENTS. An overview of the technical problems involved in the construction and evaluation of measuring instruments, and a detailed examination of the more significant tests of ability and personality. Prerequisites: Psychology 201 and 202. Offered: Spring semester.

PSYCHOLOGY 304. (3) *DeWolfe*
PSYCHOLOGY OF PERSONALITY. Theoretical approaches and research relevant to the study of personality. Psychoanalytic, trait, field, self, learning, and existential approaches will be compared and evaluated. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 306. (3) *DeWolfe*
SOCIAL PSYCHOLOGY. The analysis of social

motivation, attitude formation and change, group structure and processes, social conflict, and the psychological impact of the environment. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 308. (3) *Staff*
PHYSIOLOGICAL PSYCHOLOGY. Survey of physiological aspects of behavior with special emphasis on the central nervous system. Also appropriate for Biology or pre-medical majors with the consent of their department chairman. Prerequisites: Biology 103, Psychology 201. Offered: Spring semester.

PSYCHOLOGY 309. (3) *Ortner*
BEHAVIOR PATHOLOGY. Description of abnormal behavior; introduction to psychopathology. Prerequisites: Psychology 201 and 308. Offered: Spring semester.

PSYCHOLOGY 310. (3) *Simes*
PERSONNEL AND INDUSTRIAL PSYCHOLOGY. Application of psychological principles to problems in business and industry; personnel selection. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 311. (3) *Simes*
MANAGERIAL PSYCHOLOGY. Concepts of human behavior that are relevant to managerial problems; organizational theory. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 312. (3) *Ortner*
PSYCHOLOGY OF LEARNING. A study of different theories of learning with special emphasis upon experimental findings and application of learning theories to practical problems in human learning. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 314. (3) *DeWolfe*
DEVELOPMENTAL PSYCHOLOGY. Normal human development throughout life with special emphasis on childhood and adolescence. Prerequisite: Psychology 201. Offered: As needed.

PSYCHOLOGY 351. (1) *Sequin*
LABORATORY TO ACCOMPANY PSYCHOLOGY 301. Prerequisite: Psychology 201. Corequisite: Psychology 301. Offered: Fall term.

PSYCHOLOGY 403. (3) *DeWolfe*
HISTORY AND SYSTEMS OF PSYCHOLOGY. Structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis, and other schools of psychology. Prerequisites: Psychology 201 and six courses at the 300 level; Psychology 304 and 312 are especially recommended. Offered: Fall semester.

PSYCHOLOGY 405. (3) *Simes*
INTRODUCTION TO COUNSELING. A survey of the major theories of counseling and psychotherapy. Prerequisites: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 409. (4) *DeWolfe*
INTRODUCTION TO CLINICAL PSYCHOLOGY. A study of clinical methods, treatment approaches, and problems; the clinician and research. Students spend one afternoon a week working in a state hospital under supervision. Three lectures and one laboratory per week. Prerequisite: Psychology 309. Offered: Spring semester.

SOCIOLOGY 201. (3) *Ortner*
INTRODUCTORY SOCIOLOGY. Methods and objectives of sociological research, varying patterns of social organization, and the study of society and culture as related to individual and group behavior. Prerequisite: None. Offered: Each semester.

SOCIOLOGY 302. (3) *Ortner*
SOCIOLOGY OF DEVIANCE. The deviance approach to the problems of contemporary society. Prerequisite: Sociology 201. Offered: Each semester.

SOCIOLOGY 303. (3) *Ortner*
SOCIAL STRATIFICATION. The basic theories of social stratification are discussed with emphasis on the origin of stratification systems and on the consequences of stratification, especially the distribution and exercise of power and privilege in American society. Prerequisite: Sociology 201. Offered: Fall semester.

RELIGION

PROFESSOR REVELEY; ASSOCIATE PROFESSORS NORMENT, ROGERS

The requirements for a major in Religion are 30 hours in Religion courses. Of this total, a minimum of 3 hours must be in Old Testament and 9 hours in New Testament courses. 6 hours in Philosophy courses are also required. Philosophy 307, if elected in addition to the required 6 hours in Philosophy, may be substituted for 3 hours in Religion. Also suggested: 6 hours in Greek.

The requirements for a concentration in Religion and Philosophy are 18 hours in each department, specific courses and cognate courses to be chosen in consultation with the departments.

RELIGION 201. (3) *Staff*
INTRODUCTION TO THE OLD TESTAMENT. An introduction to the history and literature of the Old Testament. Open only to students with no prior credits in Old Testament studies, except by permission of the instructor. Prerequisite: None. Offered: Fall semester.

RELIGION 202. (3) *Staff*
INTRODUCTION TO THE NEW TESTAMENT. An

introductory survey of Christian origins and of the literature of the New Testament. Open only to students with no prior credits in New Testament studies, except by permission of the instructor. Prerequisite: None. Offered: Spring semester.

RELIGION 205. (3) *Reveley*
INTRODUCTION TO WORLD RELIGIONS. An introduction to the origins, development, and current status of the major religions of the world. The course is designed to demonstrate the scope and diversity of religious traditions as well as to indicate the common questions that the various traditions address. Prerequisite: None. Offered: Fall semester.

RELIGION 285-86. (3-3) *Rogers*
TUTORIAL IN BIBLICAL HEBREW. Introduction to basic vocabulary and grammar of Biblical Hebrew. Emphasis on: (1) learning to read sentences in the Hebrew Old Testament; (2) acquiring a facility in using a Hebrew lexicon and in using the critical notes in the Hebrew text. Prerequisite: None. Offered on sufficient demand.

RELIGION 301. (3) *Rogers*
THE NATURE OF RELIGIOUS EXPERIENCE. In every age men and women have sought to understand the mystery of birth, the origin of good and evil, the uncertainty of suffering and death. This course is designed to investigate a variety of religious beliefs and customs to determine how peoples of every age have perceived reality at the deepest levels of their existence. In the process, a variety of critical methodologies will be utilized. Prerequisite: None, but a 200-level Religion course or Western Man 101-102 recommended. Offered: Fall semester of even years.

RELIGION 303. (3) *Rogers*
JUDAISM AS A LIVING TRADITION. Jewish history and religion, institutions and observances, customs and lore from the Biblical period to the present. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 304. (3) *Reveley*
RELIGIONS OF THE MIDDLE EAST. A tracing of the cultural and religious history of the Middle East with particular attention to two features: (1) the emergence of Zoroastrianism and its influence upon postexilic Judaism, and (2) the rise and development of Islam from the seventh century to modern times. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 305. (3) *Reveley*
RELIGIONS OF INDIA. A study of the religions of India and of the historical and cultural context in which they developed. Prerequisite: None. Offered: Spring semester of even years.

RELIGION 306. (3) *Reveley*
RELIGIONS OF EAST ASIA. A study of Taoism, Confucianism, Shintoism, and Buddhism in the context of the history and culture of East Asia. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 307. (3) *Norment*
RELIGION IN AMERICA. A study of the role of religion in the development of American culture, with particular attention to distinctive Christian groups and to significant trends in American Christian thought. Prerequisite: None. Offered: Spring semester.

RELIGION 308. (3) *Norment*
CONTEMPORARY CHRISTIAN THEOLOGY. A study of major developments and the writings of significant leaders, European and American, in 20th century Christian thought, with particular attention to current trends. Prerequisite: Religion 202, or permission of the instructor. Offered: Fall semester of even years.

RELIGION 309. (3) *Norment*
CHRISTIAN ETHICS. A study of significant traditional and contemporary emphases in Christian ethical theory, and the application of Christian ethical analysis to selected moral and social issues. Prerequisite: None, but Religion 202 recommended. Offered: Fall semester.

RELIGION 310. (3) *Rogers*
THE HEBREW PROPHETS. An investigation of the rise and development of the prophetic movement in Israel, with particular emphasis upon the relevance of the prophets for their own and later times. Prerequisite: Religion 201, Western Man 101, or permission of the instructor. Offered: Spring semester of even years.

RELIGION 311. (3) *Rogers*
EARLY CHRISTIANITY. A consideration of the religious and historical milieu in which the early Christian Church arose. The major questions posed will be "why" and "how" the Christian community survived and grew. A primary focal point will be the letters of Paul, with particular emphasis on his contribution to the early Church. Prerequisite: None, but Religion 202 or Western Man 101 recommended. Offered: Spring semester of odd years.

RELIGION 312. (3) *Norment*
THEOLOGY OF PAUL. A study of principal theological and ethical ideas and issues in the letters of Paul, undertaken from the perspectives of Biblical and historical theology rather than from those of literary or biographical analysis. Some consideration will be given to the interpreters of Paul — his influence on subsequent theologians such as Martin Luther, Karl Barth, and Reinhold Niebuhr. Prerequisite: Either Religion 202;

Religion 311, or permission of the instructor. Offered: Fall semester of odd years.

RELIGION 313. (3) *Rogers*
JESUS IN THE SYNOPTIC TRADITION. An evaluation of the person and work of Jesus as portrayed in Matthew, Mark and Luke. Prerequisite: Religion 202, Western Man 101, or permission of the instructor. Offered: Fall semester of odd years.

RELIGION 314. (3) *Norment*
THE JOHANNINE LITERATURE. A study of the five New Testament books traditionally associated with "John" — the Gospel of John, the Epistles of John, the Apocalypse (Revelation) of John. Prerequisite: Religion 202, Western Man 101, or permission of the instructor. Offered: Fall semester of even years.

RELIGION 315. (3) *Rogers*
BIBLICAL ARCHAEOLOGY AND BIBLICAL HISTORY. History and methodology of Near Eastern excavations, including a concentrated study of several Biblical sites. Analysis of the contributions of archaeological research to a more accurate understanding of the history and everyday life of the Biblical period (Old and New Testament times) within the broader context of the history of the ancient Near Eastern and Mediterranean worlds. Prerequisite: None, but Religion 201 or Religion 202 recommended. Offered: Fall semester of even years.

RELIGION 406. (3) *Norment*
CONTEMPORARY ISSUES IN CHRISTIAN ETHICS. Intensive study of selected issues, both theoretical and practical, in the field of Christian ethics; a seminar course. Prerequisite: Either Religion 309 or Philosophy 304, or permission of the instructor. Open only to juniors and seniors. Offered: Spring semester of even years.

RELIGION 407. (3) *Norment*
RELIGION AND DEATH. A study of the perception and management of death in various religious traditions, with particular reference to New Testament conceptions and the perspectives of contemporary theologians; consideration of certain ethical issues associated with death and dying. Prerequisite: Either Religion 201 or 202, or any Religion course from 301 to 306, or permission of the instructor. Offered: Spring semester of odd years.

RELIGION 408. (3) *Rogers*
THEOLOGY AND LITERATURE. A consideration of the usage of specific Biblical and/or religious themes or motifs in contemporary literature. The emphasis will be on discerning what principles of interpretation are used in giving contemporary expression to specific themes.

The specific themes considered vary. Prerequisite: Religion 202, Religion 301, or permission of the instructor. Offered: Spring semester of even years.

RELIGION 475. (3)

Staff

SEMINAR IN CONTEMPORARY THEOLOGICAL ISSUES. Intensive study of selected issues in the fields of contemporary and/or Biblical theology. Limited enrollment. Open to juniors and seniors (sophomores by permission of the instructor). Prerequisite: Religion 202, Religion 308, or permission of instructor. Offered: Intermittently, either semester.

RHETORIC

PROFESSORS CRAWLEY, SIMPSON; ASSOCIATE PROFESSORS BAGBY, BRINKLEY, MARTIN, NORMENT, TUCKER; ASSISTANT PROFESSORS ARIETI, SAUNDERS; VISITING ASSISTANT PROFESSOR ALEXANDER; INSTRUCTOR TAYLOR; LECTURER O'GRADY

RHETORIC 101. (3)

Staff

The course involves a study of the basic mechanics of effective writing—from basic sentence patterns through paragraph development to the preparation of an effective paper. Particular attention will be paid to the specific problems of students, including training in critical editing of the work of fellow students. Prerequisite: None. Offered: Each semester.

RHETORIC 102. (3)

Staff

The course involves the study and composition of the essay, with special attention to stylistic clarity, vocabulary building, research techniques and oral presentation. Required of all students. Prerequisite: Rhetoric 101 or exemption from Rhetoric 101. Offered: Each semester.

WESTERN MAN

PROFESSOR REVELEY; ASSOCIATE PROFESSORS BRINKLEY, FITCH, IVERSON, NORMENT, ROGERS; ASSISTANT PROFESSOR ARIETI

The Western Man program consists of courses which bridge traditional departmental divisions and which deal with issues and with areas of knowledge of general human concern. The staff is composed of members of various Humanities and Social Sciences departments.

WESTERN MAN 101-102. (3-3)

Staff

Western Man 101-102 is an introductory humanities course in which major thinkers and issues of the Western cultural heritage are studied. It deals with the civilization of ancient Greece and Rome, the Biblical tradition, the European Middle Ages, and the age of the Renaissance and the Protestant Reformation. Attention is given to history, philosophy, religion, literature, the arts, and political and economic thought. Classwork consists of lecture sessions, in which all participants meet together, and discussion sections, for which small groups meet with faculty leaders. (History 101-102 is a natural sequel to this course.) Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

WESTERN MAN 380. (3)

Laine

THE INFLUENCE OF NATIONALISM IN EUROPEAN MUSIC OF THE NINETEENTH CENTURY. Through the examination of the life and works of such composers as Verdi, Wagner, Tschaikovsky, and Smetana, it is possible to study the influence of the idea of nationalism on significant composers, and, consequently, the impact of their music on the nationalistic and revolutionary movements within their respective countries and throughout Europe. This course may be counted either as History or as Western Man in satisfying the distribution requirement for graduation. Prerequisite: None. Offered: Spring short term.

MATTERS OF RECORD

DEGREES AND OTHER HONORS

Commencement May 13, 1979

HONORARY DEGREES

Doctor of Letters

Graves Haydon Thompson '27

Doctor of Laws

Gabriel Hauge
Hyman G. Rickover
William Carrington Thompson
Samuel Vaughan Wilson

BACHELOR OF ARTS

Eddie Michael Adkins Danville, Virginia
Randall Eugene Appleton Chesapeake, Virginia
Thomas Bolling Archer Richmond, Virginia
Scott Simpson Aron Danville, Virginia
Richard Alan Bagby Charlottesville, Virginia
Steven David Barnhart Salem, Virginia
Joseph Sanborn Bean, Jr. Birmingham, Alabama
Gary James Beck Midlothian, Virginia
Lewis William Bell Memphis, Tennessee
Michael Thomas Bennett Richmond, Virginia
Warren Lee Birdsong Suffolk, Virginia
William Wayne DesChamps Blackford ... Spartanburg,
South Carolina
Carl Fleming Blackwell Richmond, Virginia
Benjamin Elliott Bondurant Rice, Virginia
Blair Manson Boze Richmond, Virginia
Gregory Fisher Burnette Richmond, Virginia
James Chester Butler Roanoke, Virginia
Donald Davison Cantlay Brussels, Belgium
John Townsend Hallman Carpenter Baltimore,
Maryland
Robert Gerold Chadwick Morristown, New Jersey
Robert Clinton Clary, Jr. Valentines, Virginia
David Patrick Corrigan Charlottesville, Virginia
Thomas Claiborne Green Coyle, Jr. Kearneysville,
West Virginia
Joseph Laird Craighill Richmond, Virginia
Edgar Hatcher Crenshaw III Richmond, Virginia
Dabney Maury Daniel Sweet Briar, Virginia
Gregory Louis De Francesco Baltimore, Maryland
King Hastings Dietrich McLean, Virginia
Lester Layne Dillard III South Boston, Virginia
Thomas Griffin Douglass Raleigh, North Carolina

John Gardner Eagan, Jr. Norfolk, Virginia
Jack Andrew East Hampden-Sydney, Virginia
Lewis Frazier Elliott South Boston, Virginia
Richard Presley Epperson II Farmville, Virginia
John Gerard Face Richmond, Virginia
Frank Marcus Fariss Bedford, Virginia
Richard Aubrey Farmar III Warsaw, Virginia
Gregory West Feldmann Roanoke, Virginia
James Dean Ferguson Lynchburg, Virginia
Clifford Gerard Ferrara ... Charleston, South Carolina
Craig Anderson Follo Greensboro, North Carolina
Gary Watson Fralin Richmond, Virginia
Frank Hundley Fulton, Jr. Danville, Virginia
Gary Brien Goldstein Charlottesville, Virginia
Thomas Emory Goode Richmond, Virginia
Thomas Watkins Green Farmville, Virginia
Robert Vance Hatcher III Greenwich, Connecticut
John Sheppard Haw III Richmond, Virginia
Robert Randolph Henry IV ... Bluefield, West Virginia
Gelon Sylvester Hobbs III Suffolk, Virginia
Wayne Calvin Holcombe Hampton, Virginia
Carter Walker Hotchkiss Richmond, Virginia
Samuel Louis Hughes Lynchburg, Virginia
Stephen Loyce Hughey Richmond, Virginia
Thomas Micajah Jackson, Jr. Austinville, Virginia
Kenneth Moffet Johnston Williamsburg, Virginia
Jack Spessard Jones Arvon, Virginia
Jeffrey Glenn Kelley Richmond, Virginia
Erik Andreas Koroneos Richmond, Virginia
Richard Hunter Lea Rocky Mount, North Carolina
Edwin Randolph Leach Forest City,
North Carolina
David James Lucey Norfolk, Virginia
Wallace Shipley Mahanes Charlottesville, Virginia
John Earl Mansfield Gainesville, Georgia
Joseph Peter Marchetti, Jr. Richmond, Virginia
Steven Craig McChristian Farmville, Virginia
James Charles McEwen II Petersburg, Virginia
Charles Russell McKenney Roanoke, Virginia
William Sheppard Miller III Norfolk, Virginia
Jeffrey William Moles Vinton, Virginia
David Edwin Moore Roanoke, Virginia
Wallace Warren Moore Danville, Virginia
Ralph Connor Morehead IV Catonsville, Maryland
Andrew Philip Murphy III Alexandria, Virginia
Robert Wise Oldfield Norfolk, Virginia
Gerald Michael Pace Salem, Virginia
Ray Mercer Paul, Jr. Richmond, Virginia
Frank LeCraft Pegram Petersburg, Virginia
Scott Richard Peterson Annapolis, Maryland
Thomas Lewis Preston Charlottesville, Virginia
John Morton Quarles, Jr. Yorktown, Virginia
Robert Steven Reinhardt Lynchburg, Virginia

Joseph Cumming Richardson . . . Bluefield, West Virginia
 Robert Tayloe Ross Washington, D.C.
 Scott Edison Schoenhut . . . Henderson, North Carolina
 William Francis Seymour IV Midlothian, Virginia
 Charles Stephen Shaw, Jr. Alexandria, Virginia
 Walter Powell Smith III Sandston, Virginia
 Gerald Brenna Spurgin Deland, Florida
 Peter Weaver Squire, Jr. Emporia, Virginia
 Thomas Lane Stokes, Jr. Norfolk, Virginia
 William Patrick Stonnell Farmville, Virginia
 Cecil Trent Talley, Jr. South Boston, Virginia
 James Roger Taylor Bedford, Virginia
 Fred Douglas Thompson, Jr. Windsor, Virginia
 Joseph Allison Cannon Wadsworth III Durham,
 North Carolina
 William Norman Watkins Farmville, Virginia
 Clinton Frederick Western, Jr. Vinton, Virginia
 Joel Emmett Williams Sutherland, Virginia
 Larry David Willis Portsmouth, Virginia
 William Alfred Winburn IV Savannah, Georgia
 James Kendrick Woodley III Richmond, Virginia
 Lawrence Hunter Woodward, Jr. Walters, Virginia

BACHELOR OF SCIENCE

Robert Lee Agee IV Farmville, Virginia
 Thomas Madagan Akers Roanoke, Virginia
 Wayne Alan Bailey Richmond, Virginia

Thomas Rutherford Bernard . . . Wilmington, Delaware
 Peter Dillard Blanton Richmond, Virginia
 Richard Alexander Boyd Richmond, Virginia
 Robert Dudley Calcote . . . Charleston, South Carolina
 James T. M. Chou Mucha, Taipei, Rep. of China
 Richard Earl Curtis, Jr. Alexandria, Virginia
 Harold Richard Gielow Newnan, Georgia
 Rustin Burt Godfrey Virginia Beach, Virginia
 Amauri Gonzalez Miami, Florida
 David Shotwell Haga Lynchburg, Virginia
 Kevin Michael Christopher Howard . . . Dover, Delaware
 Philander Kelsey Sparta, Tennessee
 Craig Garvin Lamond Staunton, Virginia
 Carl Daniel Laughlin Newport News, Virginia
 Joseph Atkins Leming Gloucester, Virginia
 Francisco Jose Linares Hialeah, Florida
 Mark Bryant Longerbeam Berryville, Virginia
 John Albert Martin, Jr. Roanoke, Virginia
 Joseph Rody Patterson, Jr. McKenney, Virginia
 William Dickenson Richmond . . . Martinsville, Virginia
 Rudolph Byrd Rustin III . . . Charleston, South Carolina
 Jim John Sadighian South Hill, Virginia
 Paul Delano Seay, Jr. Dillwyn, Virginia
 Stephen Clark Smith Hampton, Virginia
 Robert Lee Sudduth IV Danville, Virginia
 David Russell Terry Peterstown, West Virginia
 Peter Robins Watson Oxford, North Carolina
 Orrin Oliver Whyte Accokeek, Maryland
 Gerald Frederic Willman, Jr. Lynchburg, Virginia

TROPHIES AND AWARDS PRESENTED AT GRADUATION

THE GAMMON CUP

Given in memory of Dr. Edgar C. Gammon, pastor of College Church 1917-1923 and President of the College 1939-1955, to the member of the graduating class who has best served the College. Character, scholarship, and athletic ability are considered.

1979 Recipient: Thomas Micajah Jackson, Jr. '79

THE ALGERNON SYDNEY SULLIVAN MEDALLIONS

Given annually in honor of its first president, Algernon Sydney Sullivan, by the New York Southern Society. One recipient of this award is a member of the graduating class who has distinguished himself for excellence of character and generous service to his fellows. The other recipients are chosen from those friends of the College who have been conspicuously helpful to and associated with the institution in its effort to encourage and preserve a high standard of morals.

1979 Recipients: William Dickenson Richmond '79
Mr. and Mrs. Paul L. Grier
Dr. William A. Johns '30

ANNA CARRINGTON HARRISON AWARD

Given annually as a memorial to his mother through the generosity of Mr. Fred N. Harrison of Richmond, Virginia. The income from his gift furnishes a medal and a cash award of \$50.00 to that student who shows the most constructive leadership in each school year.

1979 Recipient: Richard Earl Curtis, Jr. '79

CABELL AWARD

Given to "a Hampden-Sydney faculty member in recognition of outstanding classroom contribution to the education of Christian young men." The Cabell award was created by the Robert G. Cabell III and Maude Morgan Cabell Foundation to assist the College in attracting and keeping professors of high ability and integrity.

1979 Recipient: Dr. Jack Palmer Sanders

OMICRON DELTA KAPPA

Lewis William Bell '79
Frank Marcus Fariss '79
Thomas Micajah Jackson, Jr. '79
Timothy Scott Maxa '80
Gerald Michael Pace, Jr. '79
William Dickenson Richmond '79
Stanley Marc Sherrod '80
Fred Douglas Thompson, Jr. '79
Russell Glenn Tindall '80
Larry Davis Willis '79

William Hamilton Flannagan '40
Charles Moseley Guthridge '68
Anthony J. Munoz

PHI BETA KAPPA

Robert Lee Agee IV '79
Michael Thomas Bennett '79
David Davison Cantlay '79
James T. M. Chou '79
Richard Earl Curtis, Jr. '79
Gregory West Feldmann '79
Amauri Gonzalez '79
David Shotwell Haga '79
Edwin Randolph Leach '79
Timothy Scott Maxa '80
Steven Craig McChristian '79
William Dickenson Richmond '79
Rudolph Byrd Rustin III '79
Russell Glenn Tindall '80
William Norman Watkins '79
Peter Robins Watson '79

MERIT SCHOLARS

1979-80

ALLAN SCHOLARS

Victor Ricardo Alpizar
 Keith Forrester Batts*
 James William Bell III*
 Douglas Scott Denham
 Sam Daniel Eggleston III
 Wayne Roger Gladin*
 Billy Louis Greer
 Lance Arlington Jackson*
 Kenneth Litton Kilgour
 Douglas Reed Lawler, Jr.
 William Chalmers Leach
 Robert Kevin Mahoney
 Charles Franklin Martin*
 Timothy Scott Maxa
 James Godwin Moore, Jr.*
 William Hunter Morgan, Jr.
 Mark John Morris
 Kevin Anthony Norris
 Charles Gordon Oakes
 William James Pantele
 Raymond Douglas Parks
 Andrew Jesse Pollock
 Karl Thomas Rivas*
 David Edward Ross
 Rodney Powell Ruffin
 Gary Stuart Salsbery
 Daniel Bradley Schein
 Stanley Marc Sherrod
 Joel Eric Sweet*
 Russell Glenn Tindall
 Douglas Charles Watson

MOOMAW SCHOLARS

Arturo Ballada Ferrer*
 Kevin Loren Hubbard
 Richard Edgar Kellam
 William Martin Long II
 Thomas Alexander Robinson*
 Lawrence Rucker Snead III
 James Christian Thompson, Jr.

*denotes freshman

VENABLE SCHOLARS

Gary Alan Butt*
 Fred Leland Campbell III*
 Preston Paul Campbell*
 Theodore Phillips Chambers
 John Edward Crews
 John Curtis Dickinson*
 Stephen Daniel Farthing
 Richard Michael Fay
 David Harry Fletcher
 Robert Ford Francis
 Jonathan Lee Kyle
 Richard Preston Leggett
 Denis Joseph McCarthy*
 Bryant Clark McGann
 Timothy Gerard McGarry*
 Charles Vincent McPhillips
 Thomas Harlan Miller
 Lewis Syester Saunders, Jr.*
 Michael Clyde Tomkies*
 Sean Wallace
 Glenn Davenport Waters
 David John West
 Frank Taylor Wootton III

PATRICK HENRY SCHOLARS

William Paca Bishop*
 Mark Robert Cruise
 Mark Allan Deaton
 Timothy Martin Fitzpatrick
 Drew Robinson Fuller, Jr.
 William Eugene Green, Jr.
 Dwight Richard Harris II
 Edmond Anderson Hooker
 John Carl Keesing
 William Gordon Plunkett
 Warren Arthur Quinn
 Philip Ruffin Randolph
 Michael Alexander Thornton
 Waring Tribble, Jr.
 Stuart Preston Wilbourne*
 Mark Edwin Yates

STUDENT BODY 1978-79

FRESHMAN CLASS

Adkins, Thomas Eggleston, Jr. Richmond, Virginia
 Alley, Gregory Scott Virginia Beach, Virginia
 Alpizar, Victor Ricardo Carol City, Florida
 Anderson, John Ryan, Jr. Virginia Beach, Virginia
 Ansell, David Clark Richmond, Virginia
 Armstrong, Eric Cameron Richmond, Virginia
 Auchmoody, Blake Paul, Jr. Richmond, Virginia
 Aulebach, Richard Clayton Chappaqua, New York
 Ballenger, Ancrum Dean Spartanburg, South Carolina
 Bedell, Warren Runcie Midlothian, Virginia
 Beerman, Lawrence Sylvester McLean, Virginia
 Beeton, Thomas McHarg Arlington, Virginia
 Benson, Timothy Wayne Daleville, Virginia
 Benvissuto, Robert Anthony Bridgewater, Massachusetts
 Berry, Stuart Bruce Selma, Virginia
 Berry, Wayne Jefferson II Richmond, Virginia
 Blake, Edward Elza Virginia Beach, Virginia
 Bowles, Charles Phillips III Richmond, Virginia
 Bozynski, Mark Edward Chapel Hill, North Carolina
 Bradham, Steven Andrew Richmond, Virginia
 Braithwaite, James Brock Virginia Beach, Virginia
 Breiner, Michael Joseph Great Falls, Virginia
 Brewer, Mark Elliott Winston-Salem, North Carolina
 Brittain, James Carl East Dundee, Illinois
 Brittigan, David McClellan Lexington, Virginia
 Britton, Theodore III McLean, Virginia
 Brogan, Michael Alan Roanoke, Virginia
 Brower, James Oris Shaw IV Orange, Connecticut
 Brown, Christian Trousedale Metairie, Louisiana
 Buchanan, John Gatewood III Charlottesville, Virginia
 Bruns, Steven Rainey Winchester, Virginia
 Burton, Greg Arthur Charleston, West Virginia
 Butler, Corydon Baylor, Jr. Norfolk, Virginia
 Byers, Archer Dane Keswick, Virginia
 Cain, James Edward Richmond, Virginia
 Cain, William Spencer Gastonia, North Carolina
 Campbell, William Scott Charleston, West Virginia
 Cannady, William Keith Virginia Beach, Virginia
 Canody, Tony Marsella Danville, Virginia
 Carr, William Hopkins Portsmouth, Virginia
 Carter, Scott Haskell Vinton, Virginia
 Castro, Felix Davis Clifton, Virginia
 Chambers, Theodore Phillips Baltimore, Maryland
 Chevalier, Michael Robert Concord, Virginia
 Christian, William Gerard New Orleans, Louisiana
 Clark, John Edwin Danville, Virginia
 Clarke, Alexander Mallory, Jr. Richmond, Virginia
 Collins, Paul Nicholson Virginia Beach, Virginia
 Condrey, James Alfred Lee Virginia Beach, Virginia
 Cook, Huestis Pratt III Richmond, Virginia
 Cook, Joseph Douglas Wilmington, Delaware
 Cottrell, Thomas Swepston Richmond, Virginia
 Crenshaw, William Burwell Richmond, Virginia
 Crews, John Edward Danville, Virginia
 Crittenden, Gill Thaxton Richmond, Virginia
 Cruise, Mark Robert Succasunna, New Jersey
 Currie, Gregory Alan Roanoke, Virginia
 Davenport, John Robert Greensboro, North Carolina
 Davis, Charles Randall Lynchburg, Virginia
 Davis, Frederick Stephen Bethesda, Maryland
 Dawson, James Matthew Buxton, North Carolina
 Deaton, Mark Allan Martinsville, Virginia
 Dibos, Luis Andres Towson, Maryland
 Donovan, David William Framingham, Massachusetts

Dougherty, Shawn Patrick Linwood, Pennsylvania
 Duffey, Peter Sinclair Franklin, Virginia
 Dunbar, Brian Holt Roanoke, Virginia
 Edmunds, William McIlwaine McKenney, Virginia
 Edwards, Randy Gene Gate City, Virginia
 Finch, David Bynum Raleigh, North Carolina
 Fisher, Nelson Howard Wilsons, Virginia
 Fitzwater, Kirby Selden Richmond, Virginia
 Fore, Scott William Wytheville, Virginia
 Gallant, Scott Pierce Charlottesville, Virginia
 Garcia, Michael John Vienna, Virginia
 Gardner, Scott David Millbury, Massachusetts
 Gerloff, Richard Girard Virginia Beach, Virginia
 Gibson, John Livingston III Norfolk, Virginia
 Gilbride, Scott Stephen Fairfax Station, Virginia
 Gillach, Joseph Patrick Arvada, Colorado
 Goddin, John Oliver Alexandria, Virginia
 Goodman, Scott Campbell Atlanta, Georgia
 Gordon, Curtis Dudley Richmond, Virginia
 Gray, Frank Bradley, Jr. Fredericksburg, Virginia
 Green, William Eugene, Jr. Phenix, Virginia
 Gresham, Paul Edward Midlothian, Virginia
 Gunn, Michael Lee Virginia Beach, Virginia
 Gunter, David Edgar Charlottesville, Virginia
 Gurley, James Benjamin Roanoke, Virginia
 Hampshire, Gifford Ray Fairfax, Virginia
 Handel, Kenneth Donovan, Jr. Chesapeake, Virginia
 Harris, Dwight Richard II Columbus, Ohio
 Harris, William Claiborne Rocky Mount, North Carolina
 Heflin, William Randolph Fredericksburg, Virginia
 Hellams, Ralph D., Jr. Richmond, Virginia
 Hendrickson, Chick Eric Richmond, Virginia
 Hobbs, William Galen, Jr. Newport News, Virginia
 Hodges, Frank Terry Roanoke, Alabama
 Holland, Jeffrey Sterling Charlottesville, Virginia
 Hollingsworth, David Samuel, Jr. Roanoke, Virginia
 Holloway, Charles Fisher Virginia Beach, Virginia
 Hooker, Edmond Anderson Richmond, Virginia
 Hubbard, Kevin Loren Virginia Beach, Virginia
 Hudson, Forrest Christopher Richmond, Virginia
 Huffman, Neil Darren Covington, Virginia
 Hummel, David Paul Fayetteville, New York
 Hunnicutt, Thomas Warren Hampton, Virginia
 Hunter, Jeffrey Craig Winston-Salem, North Carolina
 Hunter, Roszell Dulany IV Suffolk, Virginia
 Hylton, James Neal Pulaski, Virginia
 James, Alan Paul Clifton Forge, Virginia
 Janney, Allyn Gardner, Jr. Richmond, Virginia
 Jeffs, Gavin David Durham, North Carolina
 Jenks, John Maher Richmond, Virginia
 Jervey, Charles Thompson Radford, Virginia
 Jones, Mark Saint George Petersburg, Virginia
 Jordan, Alexander Ranlett Richmond, Virginia
 Kampfmuehler, Christopher Todd Virginia Beach, Virginia
 Kay, John Franklin III Richmond, Virginia
 Kellam, Richard Edgar Belle Haven, Virginia
 Kelley, Lewis Dwight, Jr. Richmond, Virginia
 Kelley, Paul Thomasson West Point, Virginia
 King, Clark, Jr. Lexington, Virginia
 Kinzey, Jeffrey Wayne Atlanta, Georgia
 Kirkpatrick, Bard Gould Petersburg, Virginia
 Knight, Benjamin Franklin III Lynchburg, Virginia
 Knott, Steven Walper West Point, Virginia
 Knutsen, Mark Dixon Dix Hills, New York
 Lass, Timothy John Norfolk, Virginia
 Lawrence, David Lee Richmond, Virginia
 LeCompte, William Harvey Richmond, Virginia
 Lee, Hyun Suk Mitchellville, Maryland
 Lee, William Raphael Newport News, Virginia
 Leggett, Richard Preston Brookneal, Virginia

Liles, George Welch, Jr. Concord, North Carolina
 Longerbeam, Benjamin Drew Berryville, Virginia
 MacLeod, Colin Bruce Upperville, Virginia
 Manley, James Derek Powhatan, Virginia
 Manning, Dibble Rickenbacker Columbia, South Carolina
 Mansfield, Michael Fred Gainesville, Virginia
 Mapel, John Thomas III Vero Beach, Florida
 Martin, Stephen Douglas-Lankford Pepper Pike, Ohio
 Mauck, John Waller Richmond, Virginia
 McClung, Lewis Burwell Salem, Virginia
 McClung, Thomas Graves Salem, Virginia
 McDonough, Joseph John, Jr. Norwood, Massachusetts
 McGann, Bryant Clark Norfolk, Virginia
 McGarry, Richard Lawrence Roanoke, Virginia
 McGee, James Lloyd, Jr. Winston-Salem, North Carolina
 McMillan, William Paul Bluefield, Virginia
 McMorrow, Roger Geoffrey Annapolis, Maryland
 McPhillips, Charles Vincent Norfolk, Virginia
 Mencini, Jeffrey Michael Virginia Beach, Virginia
 Milam, Bruce Vincent Emporia, Virginia
 Miller, Scott Frederick Richmond, Virginia
 Miller, Thomas Harlan Harrisonburg, Virginia
 Mills, Leonard Orion Olney, Maryland
 Moeller, Michael Weilage Salem, Virginia
 Moore, Emmett Kyle Norfolk, Virginia
 Moore, James Harvey Drakes Branch, Virginia
 Moorefield, Kenneth Edward, Jr. Rocky Mount, North Carolina
 Morey, John William Manahawkin, New Jersey
 Morgan, Joseph Knight Gloucester, Virginia
 Morrisett, Richard Anthony Richmond, Virginia
 Munce, William Crowle Staunton, Virginia
 Munford, Charles Conway Franklin, Virginia
 Mustin, Thomas Russell Alexandria, Virginia
 Neal, Gregory Kent Bedford, Virginia
 Neilson, Michael Richard Oxon Hill, Maryland
 Newcomb, Robert Thomas Raleigh, North Carolina
 Norcross, Gary Wayne Waynesboro, Virginia
 Norman, William Kemp III Yemassee, South Carolina
 Normann, Frank Barret Metairie, Louisiana
 Norris, Kevin Anthony Moscow, Pennsylvania
 Oakes, Charles Gordon Winchester, Virginia
 Pace, Jon Andrew Salem, Virginia
 Parker, John Pickford Bedford, Virginia
 Parks, Raymond Douglas Mableton, Georgia
 Payne, Maxwell Carr III Atlanta, Georgia
 Pedlow, Thomas Hunter Richmond, Virginia
 Perdue, Alton Hay, Jr. Amelia, Virginia
 Phillips, David Roger Midlothian, Virginia
 Piland, Mills Jordon Bowling Green, Virginia
 Price, Anthony Vaughn Purcellville, Virginia
 Pritchett, Charles Edward Bluefield, Virginia
 Remick, Robert Worthington Smithfield, Virginia
 Richards, Joseph Dickson Davidson, North Carolina
 Riedlin, John Eric Rockville, Maryland
 Robinson, Frederick McArthur Richmond, Virginia
 Rogers, Reginald Trice Macon, Georgia
 Ross, David Edward Hopewell, Virginia
 Ross, Kennard Boland, Jr. New Orleans, Louisiana
 Ruffin, Rodney Powell Baltimore, Maryland
 Rummel, Richard Matthew Tomahawk, Wisconsin
 Russell, Daniel Lindsay Fort Smith, Arkansas
 Salsbery, Gary Stuart Alexandria, Virginia
 Schuster, Kent Edward Richmond, Virginia
 Sharkey, Michael Eugene Patuxent River, Maryland
 Shope, Eddie Lee III Mechanicsville, Virginia
 Simpson, William DeForest Winston-Salem, North Carolina
 Smithers, William Sinclair III Richmond, Virginia
 Staab, Kenneth Edward Chapel Hill, North Carolina
 Stabel, Thomas John Virginia Beach, Virginia
 Stackhouse, Stephen Morton Norfolk, Virginia

Standing, Patrick Leigh, Jr. Virginia Beach, Virginia
 Stevens, Jack O'Neil, Jr. Norfolk, Virginia
 Stickley, Robert Palmer III Lynchburg, Virginia
 Sydnor, Thomas Emmett Charlottesville, Virginia
 Tan, Loon-Kar Penang, Malaysia
 Taylor, Hubert Shands III Richmond, Virginia
 Temple, Sydney Dowd Roanoke, Virginia
 Terrell, Prescott Carter, Jr. Lynchburg, Virginia
 Terry, Jonathan Norman Roanoke, Virginia
 Thalman, Thomas David Lexington, Virginia
 Thatcher, David John Chester, Virginia
 Trespacz, Jeffrey Alan Collinsville, Virginia
 Thomas, John Richard Oakton, Virginia
 Thompson, William Accra, Ghana
 Treadwell, Christopher Davis Virginia Beach, Virginia
 Trespacz, Randall Louis Framingham, Massachusetts
 Vosbeck, James Stephen Alexandria, Virginia
 Vranian, Steven Craig Richmond, Virginia
 Wagner, Mark Donald Charlottesville, Virginia
 Wallace, Sean D. Bowie, Maryland
 Waller, Michael Wade Pulaski, Virginia
 Ward, Heman Clifford Rockville, Maryland
 Warner, John Francis, Jr. Richmond, Virginia
 Waters, Glenn Davenport Richmond, Virginia
 Webb, Mark Maynard Jackson St. Simions Island, Georgia
 Wertz, Geoffrey Allan Virginia Beach, Virginia
 Western, Larry Gene Vinton, Virginia
 Wheeler, Mitchell Vincent Roanoke, Virginia
 Wideman, Dirk Arthur Ashland, Virginia
 Williford, James Archie Richmond, Virginia
 Wilson, Robert Jay Lewistown, Pennsylvania
 Wood, Brian Edwin Richmond, Virginia
 Wooten, Michael Wayne Spout Spring, Virginia
 Worrell, David Ammen, II Radford, Virginia
 Wright, Marc Anthony Richmond, Virginia
 Wright, Richard A. Miami, Florida
 Wyatt, James Melvin III Martinsville, Virginia

SOPHOMORE CLASS

Adcock, Kevin Michael Durham, North Carolina
 Atkinson, Jonathan Garland Richmond, Virginia
 Atwill, Edward Bennett Richmond, Virginia
 Ball, David McDowell Leesburg, Virginia
 Ball, George Gill, Jr. Virginia Beach, Virginia
 Bass, William Dudley Rice, Virginia
 Beale, Devin L. Richmond, Virginia
 Beek, Steven Edward Vienna, Virginia
 Beecroft, Morris Bryan, III Newport News, Virginia
 Berg, Patrick Wayne Virginia Beach, Virginia
 Blackwell, Kevin Dale Dolphin, Virginia
 Bohannon, Martin Ray Mechanicsville, Virginia
 Bond, Stewart Michael Bedford, Virginia
 Boucher, Brian William Chesapeake, Virginia
 Bradshaw, William James, Jr. Buckingham, Virginia
 Brown, Edward Farrow Mechanicsville, Virginia
 Brown, Gordon Bradley Richmond, Virginia
 Bullard, John Bunyan, III Richmond, Virginia
 Burke, John Duke Richmond, Virginia
 Burke, Landon Mason Alexandria, Virginia
 Burks, Gordon Elmo, III Richmond, Virginia
 Butler, Herbert J. Charleston, South Carolina
 Cabell, Henry Landon, IV Garrison, Maryland
 Capocelli, Sergio Richmond, Virginia
 Carney, Richard Lee III Virginia Beach, Virginia
 Carothers, William Douglas M., III Farmville, Virginia
 Carrington, William Addison Lynchburg, Virginia
 Cash, James Richard Churchville, Virginia
 Catlett, Thomas Yates Richmond, Virginia
 Caton, Christopher Edward Virginia Beach, Virginia

Coleman, James Bruce	Dublin, Virginia	Lawrence, Frank Bernard	Ormond Beach, Florida
Cox, Parke Hunter, III	Chesapeake, Virginia	Leach, Michael Keith	Bostic, North Carolina
Cozad, Thomas Michael, Jr.	Bettendorf, Iowa	Leach, William Kendall, Jr.	Forest City, North Carolina
Crook, Charles William	Albemarle, North Carolina	Leake, Armond Buck, Jr.	Richmond, Virginia
Crow, David M.	Salem, Virginia	Levering, Cary Cooper	Richmond, Virginia
Cumbey, Thomas Edward	Farmville, Virginia	Lewis, John Bolling, III	Richmond, Virginia
Currie, William Robert	Roanoke, Virginia	Long, William Martin	Newport News, Virginia
Curtis, Thomas Webster	North Springfield, Virginia	Macaulay, Angus Philip	Charlottesville, Virginia
D'Agata, Michael Charles	South Boston, Virginia	Mack, Edward Tinsley	Orange, Virginia
Daly, Clark Jeffrey	Richmond, Virginia	Mahoney, Robert Kevin	Chesapeake, Virginia
Davis, Mark McHale	Bronxville, New York	Malone, Walter Joseph, Jr.	Virginia Beach, Virginia
Davis, Thomas Martin	Richmond, Virginia	Manger, Walter E.	Alexandria, Virginia
Denham, Douglas Scott	Winchester, Virginia	Mansfield, John Earl II	Gainesville, Virginia
Doherty, Daniel Keith	Arbutus, Maryland	Marks, Daniel Camp	Capron, Virginia
Doummar, Richard Habib	Virginia Beach, Virginia	Mason, Carroll Allen	Midlothian, Virginia
Driskill, William Shearer	Lynchburg, Virginia	Mason, Gary David	Reston, Virginia
Duffer, Randolph Lee, III	Keysville, Virginia	Mastropaulo, Jonathan D.	Falls Church, Virginia
Dunaway, John Clopton	Seaford, Delaware	McCulloch, Scott Hedrick	Beckley, West Virginia
Economos, Demetri	Charlottesville, Virginia	McMulloch, Orgain Edward, III	North Palm Beach, Florida
Edwards, Anthony Michael	Chester, Virginia	McKenney, Malcolm Stuart, Jr.	Richmond, Virginia
Eggleston, Sam Daniel	Lovingsston, Virginia	Mikell, William Gaillard, Jr.	Wilmington, Delaware
Eidson, Arlen Glenn, Jr.	Virginia Beach, Virginia	Molster, John Sanford	Richmond, Virginia
Emerick, Paul Theodore	Triangle, Virginia	Moorhead, Scott Logan	Lexington, Virginia
Evans, Gilbert Russell	Satsuma, Florida	Morgan, William Hunter, Jr.	Sunburg, North Carolina
Farthing, Stephen Daniel	Danville, Virginia	Morris, Reginald Philip	Chester, Virginia
Fay, Richard Michael	Spartanburg, South Carolina	Newman, William Crenshaw, IV	Richmond, Virginia
Ferrara, Martin Ellerbe	Charleston, South Carolina	Noftsinger, Dabo Clifton	West Point, Virginia
Fine, Henry Stuart	Richmond, Virginia	Norrington, George Dyer	Virginia Beach, Virginia
Fitzpatrick, Timothy Martin	Wilmington, Delaware	Overton, John Gregory	Richmond, Virginia
Fletcher, David Harry	St. Albans, West Virginia	Owens, Andrew Dow, Jr.	Pulaski, Virginia
Fout, Paul Douglas	Middleburg, Virginia	Pananas, Jonathan Socrates	Orange, Virginia
Fox, Preston Stuart	Charlottesville, Virginia	Parker, Richard Carlyle	Atlanta, Georgia
Fralin, Charles Randolph	Richmond, Virginia	Parker, Wilbert Joel	Danville, Virginia
Frayser, Andrew Wingfield Scott	Richmond, Virginia	Patterson, Lowell Horace III	Hampton, Virginia
Freeman, William Long	New Hope, Pennsylvania	Paulette, Bennett Wayne	Appomattox, Virginia
Gammon, Tracy Watkins	Reidsville, North Carolina	Payne, Andrew Allemong III	Charleston, West Virginia
Good, Russell Warden	Midlothian, Virginia	Pearson, Robert Knight, Jr.	Lynchburg, Virginia
Gormly, Matthew Edward III	Encino, California	Peterson, Mitchell Paul	Arnold, Maryland
Granger, William Woodward III	Chicago, Illinois	Pollock, Andrew Jesse	Norfolk, Virginia
Greer, Billy Louis	Virginia Beach, Virginia	Porterfield, David Latimer	Winchester, Virginia
Gunn, Robert Bruce	Winston-Salem, North Carolina	Quarles, Foster Kevin	Hampton, Virginia
Haar, Frederick Hubbard, Jr.	Charlottesville, Virginia	Quinn, Warren Arthur	Kingsville, Maryland
Haley, Gregory Joseph	Roanoke, Virginia	Randolph, Philip Ruffin	Mechanicsville, Virginia
Hancock, William Joseph	Winchester, Virginia	Reed, Randy Wayne	Richmond, Virginia
Hargrove, Stewart Robinson	Beaverdam, Virginia	Revell, Everett Carroll, Jr.	Onley, Virginia
Harrington, David Merle	China Grove, North Carolina	Revercomb, Randolph Chapman	Roanoke, Virginia
Harrison, William Edward	Birmingham, Alabama	Rhea, Michael Anthony	Farmville, Virginia
Haw, David Morrison	Richmond, Virginia	Rhodes, John Richard	Presque Isle, Maine
Hayes, Richard Burton, III	Augusta, Georgia	Ritsch, Frederick Field, III	Spartanburg, South Carolina
Heppner, David Alexander Spotswood	Lynchburg, Virginia	Roberts, William Shackelford	Richmond, Virginia
Hoke, James Michael	Richmond, Virginia	Robertson, James Edward	Burkeville, Virginia
Holder, David Wayne	Sterling, Virginia	Robertson, Theodore Andrew	Richmond, Virginia
Holgate, Louis Howard	Leesburg, Virginia	Rogers, John Charles	Virginia Beach, Virginia
Huddle, David Franklin	Fredericksburg, Virginia	Rose, Robert John	Chesapeake, Virginia
Hull, William Vance	Norfolk, Virginia	Ross, Robert Douglas	Severna Park, Maryland
Huskey, Daniel Alan	Farmville, Virginia	Ross, Scot Andrew	Richmond, Virginia
Irving, Frederick French	Jacksonville, Florida	Rowe, Andrew Carlton, Jr.	Mechanicsville, Virginia
Jervey, William Altvater	Franklin, Virginia	Rummel, Mark Christopher	Tomahawk, Wisconsin
Johnson, Charles Lunsford	Petersburg, Virginia	Salazar, Vincent Delfin	Fairfax, Virginia
Jones, Robert Grady	Concord, Virginia	Salsbery Lee Kent	Alexandria, Virginia
Jones, William David	Hinckley, Ohio	Sawyer, Leslie R., Jr.	Norfolk, Virginia
Jordan, Daymon Roy	Athens, Georgia	Schein, Daniel Bradley	Norfolk, Virginia
Joynes, Louis Napoleon, II	Virginia Beach, Virginia	Schoonover, Jon Robert	Moseley, Virginia
Karo, William Andrew	Richmond, Virginia	Schuessler, Wesley	Roanoke, Virginia
Keesling, John Carl	Sterling, Virginia	Schumacher, Michael George	Charleston, West Virginia
Keller, Scott Green	Asheville, North Carolina	Screven, John Slade	Birmingham, Alabama
Key, Phillip Winfrey	Danville, Virginia	Seay, Kevin Payne	Dillwyn, Virginia
Kilgour, Kenneth Litton	Leesburg, Virginia	Shaner, Mitchell Dahl	Lexington, Virginia
Kyle, Johathan Lee	Ashland, Virginia	Shelly, William Allen	Hampton, Virginia
Lawler, Douglas Reed, Jr.	Sunrise, Florida	Sherrod, David Burton	Sanford, North Carolina

Silvester, Donald Wilhelm Falls Church, Virginia
 Sims, Christopher Lee Hyattsville, Maryland
 Smith, Martin Clyde Danville, Virginia
 Snead, Lawrence Rucker, III Charleston, South Carolina
 Snidow, Robert English Lynchburg, Virginia
 Stephenson, William Cowell, IV Roanoke, Virginia
 Stiebel, Christopher Miles Richmond, Virginia
 Stokes, Gordon Kavanaugh Norfolk, Virginia
 Suter, Owen Edward III Richmond, Virginia
 Taylor, James Creede, III Christiansburg, Virginia
 Taylor, Joseph Dodson Virginia Beach, Virginia
 Thompson, James Christian, Jr. Richmond, Virginia
 Thompson, James King, Jr. Mechanicsville, Virginia
 Thompson, Warren Michael Windsor, Virginia
 Thornton, William Cary Forest, Virginia
 Varboncoeur, Francis Gary West Point, Virginia
 Vincent, Harry Benjamin, Jr. Emporia, Virginia
 Ware, Richard Lee Richmond, Virginia
 Watkins, Franklin Parker, Jr. Richmond, Virginia
 Watson, Douglas Charles Farmville, Virginia
 Watson, Robert Jacob, Jr. Emporia, Virginia
 Weaver, James Burgess Martinsville, Virginia
 Webb, Dwight Marvin Richmond, Virginia
 Wells, Michael Stanford Danville, Virginia
 West, David John Chesapeake, Virginia
 White, David Ellington Charles City, Virginia
 Wilcox, Thomas Floyd Charleston, West Virginia
 Wildman, Walter Davis Newport News, Virginia
 Wilkerson, Paul Gregory Alexandria, Virginia
 Williams, Craig C. Dinwiddie, Virginia
 Willis, Richard Turner Pratt Fredericksburg, Virginia
 Wilson, Norwood William III Hopewell, Virginia
 Winslow, Leonard Francis, III Charlottesville, Virginia
 Wirth, Gordon Wolfgang Salem, Virginia
 Witt, Brian Kendall Lynchburg, Virginia
 Wootton, Frank Taylor, III Virginia Beach, Virginia
 Wrenn, Robert Cochran, Jr. Emporia, Virginia
 Wyeth, Peter Lydon Spring, Texas

JUNIOR CLASS

Ackermann, Michael Friedrich Ludwigshafen/RH,
 West Germany
 Adams, James Edward Brookneal, Virginia
 Adams, James Ervin, III Yorktown, Virginia
 Alexander, James Moffatt, III Fairfax, Virginia
 Alloway, Jeffrey A. Cincinnati, Ohio
 Anderson, Phillip Verne Chatham, Virginia
 Appich, Donald Leland, Jr. Richmond, Virginia
 Atha, Alan Paul Shawnee Mission, Kansas
 Atkinson, Jonathan Garland Richmond, Virginia
 Babashak, James Vincent Falls Church, Virginia
 Bailey, Wayne Alan Richmond, Virginia
 Bagby, Richard Alan Charlottesville, Virginia
 Baker, Philip Bruce Franklin, Virginia
 Barnhill, Ray Curtis Hampton, Virginia
 Barrs, David Ernest Newport News, Virginia
 Bateman, Herbert Harvell, Jr. Newport News, Virginia
 Batliner, Ronald Virginia Beach, Virginia
 Beck, Steven Edward Vienna, Virginia
 Beecroft, Morris Bryan, III Newport News, Virginia
 Best, Marcellus James Goldsboro, North Carolina
 Boatwright, Donald Jeffrey Roanoke, Virginia
 Boze, Edward Scott, III Richmond, Virginia
 Bradshaw, Christopher Leroy Richmond, Virginia
 Brierre, Roland Theodore, III Richmond, Virginia
 Brilliant, Patrick David Chesapeake, Virginia
 Brown, Edward Dalton Darien, Connecticut
 Brown, William Denis, IV Monroe, Louisiana

Buchanan, George Conway Bristol, Tennessee
 Burke, John Duke Richmond, Virginia
 Cann, Brian Mitchell Richmond, Virginia
 Cash, Richard Everett Lynchburg, Virginia
 Chiotti, Jean Yves Salon, France
 Clark, Mark Morgan Kilmarnock, Virginia
 Claybrook, Dewey Wayne Brookneal, Virginia
 Corey, John Edwin South Charleston, West Virginia
 Cox, Robert Young South Boston, Virginia
 Craft, William Robert Lee III Christiansburg, Virginia
 Crouch, Donald Ray Bedford, Virginia
 Crow, David Miller Salem, Virginia
 Darden, William Dunlap Salt Lake City, Utah
 Dickinson, William Andrew, III Virginia Beach, Virginia
 Dodd, Ralph Wesley Cape Charles, Virginia
 Duffer, Randolph Lee, III Keysville, Virginia
 Dunaway, John Clopton Seaford, Delaware
 Durham, Lucian Archambault, III Roanoke, Virginia
 Edwards, William Henry, Jr. Montross, Virginia
 Face, James Michael Richmond, Virginia
 Fararo, John Joseph, Jr. Hightstown, New Jersey
 Ficklen, Fitz-Hugh Conway Wilmington, North Carolina
 Fischer, Ronald Luis, Jr. Chester, Virginia
 Floyd, Barton Lee Chester, Virginia
 Fox, William Trent, Jr. Capron, Virginia
 Francis, Robert Ford Charleston, West Virginia
 Fuller, Drew Robinson, Jr. Atlanta, Georgia
 Garner, Thomas Arthur Lynchburg, Virginia
 Godbold, Frank Blackwell, III South Boston, Virginia
 Gray, Thomas Paul Baltimore, Maryland
 Grover, Robert Ellis Staunton, Virginia
 Hardy, William Edward Richmond, Virginia
 Hare, Ransom Bryant, IV Forest, Virginia
 Harris, David Wayne Glen Allen, Virginia
 Harris, James Selden, Jr. Blackstone, Virginia
 Harris, Robert C. P. South Boston, Virginia
 Haugh, David Roberts Charlottesville, Virginia
 Hogg, Charles Mathew, Jr. Powhatan, Virginia
 Holder, David Wayne Sterling, Virginia
 Holston, Walter Brown Lynchburg, Virginia
 Horkan, George Anthony, III Middleburg, Virginia
 Howlett, Bobby Lewis, Jr. Norfolk, Virginia
 Huff, Leigh Preston, Jr. Roanoke, Virginia
 Hull, William Vance Norfolk, Virginia
 Jervey, James Drewry Franklin, Virginia
 Johnston, David King Pearisburg, Virginia
 Jordan, Daymon Roy Kinston, North Carolina
 Kasun, John Matthew Fairfax, Virginia
 Kauffman, Peter Joseph Danville, Virginia
 Kavit, Gary S. Richmond, Virginia
 Keefer, Robert Franklin Lynchburg, Virginia
 Keeley, Thomas Patrick Roanoke, Virginia
 Keena, Timothy Erich Vienna, Virginia
 Kerns, Trent Sydnor Richmond, Virginia
 Killgore, John Kendall Killen, Alabama
 Kirby, Wade H. O. Morristown, New Jersey
 Kiser, Marshal Kent Bluefield, West Virginia
 Knight, Benjamin Franklin, III Lynchburg, Virginia
 Laux, Jerome Eugene Norfolk, Virginia
 Leach, William Chalmers Leesburg, Virginia
 Long, Christopher Shepherd Richmond, Virginia
 Maxa, Timothy Scott Charlottesville, Virginia
 McElwee, Douglas Carlton Charleston, West Virginia
 McGehee, William Overton Palmyra, Virginia
 McHahon, James Moore Richmond, Virginia
 McManaway, Clayton Lee Roanoke, Virginia
 Mell, John Aldous Charlotte, North Carolina
 Miles, William Scherer Richmond, Virginia
 Modlin, Robert Christian Smithfield, Virginia
 Moore, Charles Ferrell, III Norfolk, Virginia

Morris, Mark John	Richmond, Virginia	Appleton, Randall Eugene	Chesapeake, Virginia
Nappo, Neil Edmund	Falls Church, Virginia	Archer, Thomas Bolling	Richmond, Virginia
Newton, David Emory	Richmond, Virginia	Aron, Scott Simpson	Danville, Virginia
Nexsen, Walter Randolph	Lynchburg, Virginia	Bagby, Richard Alan	Charlottesville, Virginia
Ogle, David Gordon	Forest, Virginia	Bailey, Wayne Alan	Richmond, Virginia
Oliver, Mark Hunter	Roanoke, Virginia	Barnhart, Steven David	Salem, Virginia
Outten, Joseph Fendall, Jr.	Greenville, South Carolina	Bean, Joseph Sanborn, Jr.	Birmingham, Alabama
Overton, John Gregory	Richmond, Virginia	Beck, Gary James	Midlothian, Virginia
Owens, Andrew Dow, Jr.	Pulaski, Virginia	Bell, Lewis William	Memphis, Tennessee
Owens, Edward	South Boston, Virginia	Bennett, Michael Thomas	Richmond, Virginia
Pandaleon, Alec Andrew III	Scarsdale, New York	Bernard, Thomas Rutherford	Wilmington, Delaware
Pantele, William James	Richmond, Virginia	Birdsong, Warren Lee	Suffolk, Virginia
Patterson, Mark Whitehead	Lynchburg, Virginia	Blackford, William DesChamps	Spartanburg, South Carolina
Plunkett, William Gordon	Virginia Beach, Virginia	Blackwell, Carl Fleming	Richmond, Virginia
Poehler, Dennis Christopher	Richmond, Virginia	Blanton, Peter Dillard	Richmond, Virginia
Preas, George Robert, II	Roanoke, Virginia	Bondurant, Benjamin Elliott	Rice, Virginia
Price, Douglas Sumpter, Jr.	Gretna, Virginia	Boyd, Richard Alexander	Richmond, Virginia
Richards, James Ronald	Lynchburg, Virginia	Boze, Blair Manson	Richmond, Virginia
Richards, Mark Irvin	Roanoke, Virginia	Bradner, Joseph Pendleton	Richmond, Virginia
Rodman, Judson Howard, Jr.	Portsmouth, Virginia	Burge, Frank Tucker	Birmingham, Alabama
Rosebro, Robert Rutherford	Richmond, Virginia	Burgess, David William	Franklin, Virginia
Saunders, Amos Charles, Jr.	Totowa Boro, New Jersey	Burnette, Gregory Fisher	Richmond, Virginia
Schrum, Owen Lester, III	Providence, North Carolina	Butler, James Chester	Roanoke, Virginia
Senter, Frederick Forrest	Raleigh, North Carolina	Calcote, Robert Dudley	Charleston, South Carolina
Shaner, Mitchell Dahl	Lexington, Virginia	Cantlay, Donald Davison	Brussels, Belgium
Shelnut, Willie Robert, II	Lynchburg, Virginia	Carpenter, John Townsend	Baltimore, Maryland
Shepherd, Robert Jackson	Roanoke, Virginia	Chadwick, Robert Gerold	Morristown, New Jersey
Sherrod, Stanley Marc	Sanford, North Carolina	Chou, James A.	Seoul, South Korea
Shipp, Andrew Rucker	Bedford, Virginia	Christian, Stuart Grattan, III	Richmond, Virginia
Sigler, Stewart Marshall	Lynchburg, Virginia	Chu, Stephen John	Salem, Virginia
Slack, Daniel Martin	Hickory, North Carolina	Clary, Robert Clinton, Jr.	Valentines, Virginia
Smith, Timothy Andrew	Roanoke, Virginia	Coffield, Steven Joseph	Richmond, Virginia
Sparrow, James Callen	Birmingham, Alabama	Coleman, Gilbert Addison	Woodford, Virginia
Stiebel, Christopher Miles	Richmond, Virginia	Corrigan, David Patrick	Charlottesville, Virginia
Stokes, John Randolph	Norfolk, Virginia	Coyte, Thomas C. G., Jr.	Kearneysville, West Virginia
Talley, Gerald Spencer, Jr.	Richmond, Virginia	Craighill, Joseph Laird	Richmond, Virginia
Taylor, William Mills, Jr.	Winston-Salem, North Carolina	Crenshaw, Edgar Hatcher, III	Richmond, Virginia
Tedesco, Steven Kent	Petersburg, Virginia	Curtis, Richard Earl, Jr.	Alexandria, Virginia
Terraneo, Robert Phillip	Old/Tappan, New Jersey	DeFrancesco, Gregory Louis	Baltimore, Maryland
Thomas, Bryan Edward	Lynchburg, Virginia	Dietrich, King Hastings	Seattle, Washington
Thomas, Vincent Graves	Norfolk, Virginia	Dillard, Lester Layne	South Boston, Virginia
Thompson, Mark Wootton	Atlanta, Georgia	Douglass, Thomas Griffin	Raleigh, North Carolina
Thornton, Michael Alexander	Forest, Virginia	Eagan, John Gardner, Jr.	Norfolk, Virginia
Tignor, Keith Randall	Richmond, Virginia	East, Jack Andrew	Merritt Island, Florida
Tindall, Russell Glenn	Richmond, Virginia	Elliott, Lewis Frazier	South Boston, Virginia
Trible, Waring, Jr.	Dunnsville, Virginia	Epperson, Richard Presley	Farmville, Virginia
Turner, James Michael	Richmond, Virginia	Face, John Gerard	Richmond, Virginia
Tyler, John Alan	Richmond, Virginia	Fariss, Frank Marcus	Bedford, Virginia
Unger, Daniel Vernon	Roanoke, Virginia	Farmar, Richard Aubrey, III	Warsaw, Virginia
Utt, James Warren, Jr.	Roanoke, Virginia	Feldmann, Gregory West	Roanoke, Virginia
Vess, Mark Leslie	Clifton Forge, Virginia	Ferguson, James Dean	Lynchburg, Virginia
Warinner, Edwin Douglas, Jr.	Richmond, Virginia	Ferrara, Clifford G.	Charleston, South Carolina
Watson, David Paul	Virginia Beach, Virginia	Follo, Craig Anderson	Greensboro, North Carolina
Wayt, James Twyman	Atlanta, Georgia	Fralin, Gary Watson	Richmond, Virginia
Wheaton, Edward Gordon, Jr.	Virginia Beach, Virginia	Fulton, Frank Hundley, Jr.	Danville, Virginia
White, David Ellington	Charles City, Virginia	Gielow, Harold Richard	Akron, Ohio
Whitehead, James Arthur, Jr.	Portsmouth, Virginia	Godfrey, Rustin Burt	Virginia Beach, Virginia
Wilson, Norwood Williams, III	Hopewell, Virginia	Goldstein, Gary Brien	Charlottesville, Virginia
Witt, Brian Kendall	Lynchburg, Virginia	Gonzalez, Amauri	Carol City, Florida
Wright, George IV	Richmond, Virginia	Goode, Thomas Emory	Richmond, Virginia
Wyatt, Dale Ricky	Norfolk, Virginia	Green, Thomas Watkins	Clarksville, Virginia
Yates, Mark Edwin	Nathalie, Virginia	Haga, David Shotwell	Lynchburg, Virginia
Ziglar, Joseph Maxton, Jr.	Hampton, Virginia	Hatcher, Robert Vance, III	Richmond, Virginia
		Haw, John Sheppard III	Richmond, Virginia
		Henry, Robert Randolph, IV	Bluefield, West Virginia
		Hobbs, Gelon Sylvester, III	Suffolk, Virginia
		Holcombe, Wayne C.	Hampton, Virginia
		Holz, Jack Anderson	Darien, Connecticut
		Hotchkiss, Carter Walker	Richmond, Virginia
		Howard, Kevin Michael	Dover, Delaware

SENIOR CLASS

Adkins, Eddie Michael	Danville, Virginia
Agee, Robert Lee, IV	Farmville, Virginia
Akers, Thomas Madagan	Roanoke, Virginia

Hughes, Samuel Louis	Lynchburg, Virginia	Pegram, Frank LeCraft	Petersburg, Virginia
Hughey, Stephen Loyce	Richmond, Virginia	Peterson, Scott Richard	Arnold, Maryland
Hunt, Albert Monroe, Jr.	San Francisco, California	Pitzer, Charles Lewis III	Roanoke, Virginia
Hunter, Edward Sidney, III	Virginia Beach, Virginia	Power, John Maynard	Norfolk, Virginia
Irby, John Poindexter, IV	Raleigh, North Carolina	Preston, Thomas Lewis	Charlottesville, Virginia
Jackson, Thomas Micajah, Jr.	Austinville, Virginia	Quarles, John Morton, Jr.	Yorktown, Virginia
Jeanes, John Kohler	Orange, Virginia	Reinhardt, Robert Steven	Lynchburg, Virginia
John, James Edward, III	Charlottesville, Virginia	Richardson, Joseph Cumming	Bluefield, West Virginia
Johnston, Kenneth Moffet	Williamsburg, Virginia	Richmond, William Dickenson	Martinsville, Virginia
Jones, Jack Spessard	Arvon, Virginia	Ross, Robert Tayloe	Washington, D. C.
Kelley, Jeffrey Glenn	Richmond, Virginia	Rustin, Rudolph Byrd	Charleston, South Carolina
Kelsey, Philander	Prospect, Virginia	Sadighian, Jim John	South Hill, Virginia
Koroneos, Erik Andreas	Richmond, Virginia	Saunders, Gray Summerfield	Richmond, Virginia
Kyole, Gideon Musoke	Kampala, Uganda	Schoenhut, Scott Edison	Staunton, Virginia
Lamond, Craig Garvin	Staunton, Virginia	Seay, Paul Delano, Jr.	Dillwyn, Virginia
Laughlin, Carl Daniel	Newport News, Virginia	Seymour, William Francis, IV	Midlothian, Virginia
Lea, Richard Hunter	Rocky Mount, North Carolina	Shaw, Charles Stephen, Jr.	Alexandria, Virginia
Leach, Edwin Randolph	Forest City, North Carolina	Smith, Stephen Clark	Hampton, Virginia
Lee, Gordon Condon	Roanoke, Virginia	Smith, Walter Powell, III	Sandston, Virginia
Leming, Joseph Atkins	Bethlehem, Pennsylvania	Spurgin, Gerald Brenna	Deland, Florida
Lester, James Cary	Roanoke, Virginia	Squire, Peter Weaver, Jr.	Emporia, Virginia
Levy, Richard Glenn	Baltimore, Maryland	Stokes, Thomas Lane, Jr.	Norfolk, Virginia
Linares, Francisco Jose	Carol City, Florida	Stonnell, William Patrick	Farmville, Virginia
Longerbeam, Mark Bryant	Berryville, Virginia	Sudduth, Robert Lee, IV	Danville, Virginia
Lucey, David James	Norfolk, Virginia	Talley, Cecil Trent, Jr.	South Boston, Virginia
Mahanes, Wallace Shipley	Charlottesville, Virginia	Taylor, James Roger	Bedford, Virginia
Mansfield, John Earl II	Gainesville, Georgia	Taylor, Robert Baird, Jr.	Lynchburg, Virginia
Marchetti, Joseph Peter, Jr.	Richmond, Virginia	Terry, John Carr	Peterstown, West Virginia
McChristian, Steven Craig	Farmville, Virginia	Thompson, Fred Douglas, Jr.	Windsor, Virginia
McEwen, James Charles II	Petersburg, Virginia	Thompson, Robert Bruce, Jr.	Charlottesville, Virginia
McKenney, Charles Russell	Roanoke, Virginia	Thornton, Joseph Dailey	Roanoke, Virginia
Mell, John Aldous	Charlotte, North Carolina	Wadsworth, Joseph A. C., III	Durham, North Carolina
Miller, William Sheppard, III	Norfolk, Virginia	Watkins, William Norman	Farmville, Virginia
Moles, Jeffrey William	Vinton, Virginia	Watson, Peter Robins	Oxford, North Carolina
Moore, David Edwin	Roanoke, Virginia	Western, Clinton Frederick, Jr.	Vinton, Virginia
Moore, Wallace Warren	Danville, Virginia	Whyte, Orrin Oliver	Accokeek, Maryland
Morehead, Ralph Connor IV	Catonsville, Maryland	Williams, Joel Emmett	Sutherland, Virginia
Murphy, Andrew Philip III	Alexandria, Virginia	Williams, Roy Edgar, Jr.	Covington, Virginia
Newell, William Willard	Danville, Virginia	Willis, Larry David	Portsmouth, Virginia
Oldfield, Robert Wise	Norfolk, Virginia	Willman, Gerald Frederic, Jr.	Lynchburg, Virginia
Pace, Gerald Michael, Jr.	Salem, Virginia	Winburn, William Alfred, IV	Savannah, Georgia
Patterson, Joseph Rody, Jr.	McKenney, Virginia	Woodley, James Kendrick, III	Richmond, Virginia
Patterson, Vernon Williams, III	Spartanburg, South Carolina	Woodward, Lawrence Hunter, Jr.	Walters, Virginia
Paul, Ray Mercer, Jr.	Richmond, Virginia	Zedaker, Samuel Eric	Richmond, Virginia

Number of Students by States and Foreign Countries — 1978-79

Virginia	567	California	2
North Carolina	37	Illinois	2
Maryland	25	Tennessee	2
Georgia	15	Wisconsin	2
South Carolina	15	Arkansas	1
Florida	11	Colorado	1
West Virginia	10	Iowa	1
New Jersey	8	Kansas	1
Alabama	7	Maine	1
Delaware	7	Texas	1
Louisiana	5	Utah	1
Massachusetts	5	Washington	1
New York	5	Washington, D.C.	1
Ohio	5	Belgium	1
Pennsylvania	5	France	1
Connecticut	3	Ghana	1
		Malaysia	1
		Uganda	1
		West Germany	1

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Office of Admissions
HAMPDEN-SYDNEY COLLEGE

Hampden-Sydney
Virginia 23943

On the front cover: John Hampden Chamberlayne Bagby (1867-1934), professor of chemistry at Hampden-Sydney for 42 years, contributed notably to the College's reputation for rigor and toughness in its scientific offerings. (Photograph taken with a portrait camera invented by another Hampden-Sydney professor, J. W. Draper, in the 1830's.)